ne Minina Journal

THE MINEY GUILTIL, BAIGN AND COMMINGEAU CART

FORMING A COMPLETE RECORD OF THE PROCEEDINGS OF ALL PUBLIC COMPANIES.

No. 657.—Vol. XVIII.

LONDON, SATURDAY, MARCH 25, 1848.

PRICE 6D.

Stannaries of Cornwall—In the Bice-Warben's Court.

OTHERWISE SAINT AGNES CONSOLIDATED MINES.

OTHER WISE SAINT AGNES CONSOLIDATED MINES.

TOTICE IS HEREBY GIVEN, that the SALE of the ENGINES, MACHINERY, MATERIALS, and EFFECTS upon and belonging he above-mentioned MINES, is POSTFONED until the mount of AFRIL next.

HOGGE & HOCKIN,

FOR GRYLLS & HILL, Solicitors, Helston.

TORTH WHEEL

Dated Registrat's Office, Trure, March 1, 1848.

NORTH WHEAL ROBERT MINE, near HORRABRIDGE, to BE SOLD, AT AUCTION, AT THE MINE, BY GEO. CARNE, auctioneer, in Monday, the 97th March inst., at Twelve o'clock at moon (without the least reserve), The Following MINE MATERIA S.—VIZ.:

MINE MATERIA S.—VIZ.:

NE WATER-WHEEL, 30ff. diameter, and 3ff. breast, with launders, beams, and brasses. NE BOB-STAND and BRASSES; one whim, pulleys, and poppet-heads. Lout 60 fathoms of IRON-80DS, 14 to 2-inch diameter.

NE LIFT of 6-inch PUMPS, including working barrel, windbore, clack, doorpiece, &c. NE LIFT of 8-inch PUMPS, including working barrel, windbore, clack, doorpiece, &c. NE LIFT of 8-inch PUMPS, including working barrel, windbore, clack, doorpiece, &c. NE BALANCE-BOB, complete; sundry pulleys and stands, one pendulum, complete, a lot of miners' and smilts' tools, smilt's bellows, vice, screw, anvil, kieve, a crane and gudgeon, with sundry lots of iron, leather, cheats, ladders, lead pipe, dressing tools, &c. Joint-Rouse table and chairs, with many other articles.

For viewing the same, apply to Capt. Heath, on the mine; and for further particulars o Joint-Roull, Tavistock; or the auctioneer, Plymouth.

N.B.—All persons having claims on the adventurers, are requested to send the same of the gurser, John Pauli, Tavistock, Devons—March 11, 1648.

A LUABLE TIN SETT FOR SALE.—TO BE SOLD,
BY PRIVATE CONTRACT, the SETT of WEST WHEAL BEAM MINE, with
the MACHINERY, WHEELS, PUMPS, ENGINES, &c., in the most perfect and consets state for the effectual working of the mine.
WEST WHEAL BEAM is situated in the centre of a rich mining district, near ASHURTON, DEVON, and is to be sold for a term of 21 years, subject to the dues of 1-15th
da 4 jord's frest. The sett extends over about 1000 fishtness in length, on the course of
the lodes, and 700 fathoms in width. Several tin and copper lodes run through the sett,
if two of which have been opened, and from those large returns have been made.
The mine being supplied with all requisite machinery and crections, and possessing an
uple water-power, can be worked to the greatest advantage with little outlay.
Application for further information may be made to James Woodley, Eso., the pro-

TO BE SOLD, OR LET, a valuable COAL MINE, in the township of GREAT HARWOOD, in the county of LANCASTER. The mine has an recently proved, and found to be 3 feet 2 inches in thickness, and of excellent quarty; it is commonly called, or known, by the name of the UPPER MOUNTAIN MINE, and extends over about 1000 statute acres, which will be divided into suitable lots. The property is attended between the towns of Blackburn and Clitheroe, and is intercted by a branch of the East Lancashifer Railway.

A section of the borings may be seen, by applying to Mr. Boosis, Rufferd-hall, Ormsrig, or to Mr. Whittle, coal viewer, Charnock Richard, Cheriey—to either of whom opposals may be sent.

EXPENSIVE IRON-WORKS,—FOR SALE, BY PRIVATE
BARGAIN, the BLAIR IRON-WORKS, belonging to the Ayrahiro Iron Company, situated in the parish of Dairy, and county of Ayr.
These works, which have been recently arrected at an immense cost, consist of two blow-ing ongines, five blust-inraces, workmen's houses, steam-engines for working the minerals, together with utensils at the pits, furnaces, &c., all in working order, and capable of producing unwards of 35,000 tons of pig. Iron per annum.
One of the blowing engines, high-pressure, estimated at 90-horse power, was rected in 1847, and is estimated at 200-horse power, and expressure in the best working condition.
The furnaces have been erected with the greatest care, and are fitted with aff-heating suparistic of the most approved construction. The make of each furnace has generally veraged upwards of 150 tons of iron per week, and some of them have produced 180.
There are, besides the manager's house and stote buildings, 187 workmen's houses, in a habitable state, attached to the furnaces and pits, and there are 20 parity built, which heald be finished at a small additional outley. There are slow any fundary wright shop, its-brick work, smithy, &c.
The MRRAL FIELDS, consist of COAL, IRONSTONE, LIMESTONE, all situated within easy distances of the furnaces, and for the most part have the advantage of railway sommunication.

The COAL-FIELDS consist of several hundred acres, of which only a small portion has

an wrought. Several pits, fitted with good enginer and machinery, are sunk to me al, and partly in operation. The IRONSTONE consists of the well-known black-band, yielding about 3000 tons of teined stone per acro; and it has been estimated that there are 300 acres or thereby il to work—besides which, there is a large extent of clay-dand fromstone, litherto little ought, but capable of yielding a large output. There are it pits, with accellent steaming since—come of them in present operation; and others ready to resume working.

The LIMESTONE QUARRY is worked by open cast, and is connected with the works—valuar.

The LIMESTONE QUARRY is worked by open cast, and is connected with the works y railway.

The FIRECLAY is abundant, of excellent quality, and cheaply produced, The Olasgaw, Paisley, Kilmarnock, and Ayr Railway (extending to Cartisle), passes lose to, and has connection with, this funances—by means of which, and others in concetion with it, the produce can be conseved to, the city and port of Glasgow (27 miles ft), and to the seaports on the Ayrahire coast, each within a few miles of the works. There is a large stock of calcined ironstone, coal, and limestone on the ground, so that the works may be put into immediate operation, and, under judicious management, the assurfacture of pig-iron may be carried on to the greatest advantage. The concern will be found to be well worth the attention of persons having the requisite capital, and affords in opportunity of entering into the baniness seldom to be met with the attention of persons having the requisite capital, and affords in ALLEABLE IRON-WORKS.—Considerable progress has been made in the erection retensive malleable works, which, when completed, will be capable of turning out 90 tons of bar-iron weekly. The most of the recessary menthing when them prepared with the contractors; and a portion of the work could be brought into operation in a few nontra to produce the half of the above estimate. This work is searly adjoining the gaparately.

parately. ans of the property and mineral workings lie for inspection at the Ayrshir 1, 113, St. Vincent-arcet, Glasgow, where, on application to Mr. Brown ry information will be afforded, and orders given for inspection of thereon

FALUABLE SEA-SALE COLLIERIES TO BE LET.-TALUABLE SEA-SALE COLLIERIES TO BE LET.—
TO BE LET, and entered upon on the lat of July next, the valuable currentking COLLIERIES of EVENWOOD and NORWOOD, in the county of Durham.
heave collieries are situated upon the line of the Stockton and Darlington Rallway, by
in the coals are conveyed to the shipping ports of Stockton and Middlesborough; and,
by means of this, and the York and Newcastle, and Leeds and Thirsk Rallways, the
last-mining districts, and other towns in Yorkshire, and for shippanet on the Ouse,
by means of the proposed Northern Counties Union Rallway, with the imported
l-sale trade of the western parts of Yorkshire and Westmoreland,
he royalities are very catessive. Two seams of coal are in working—one upwards of
et, and the other of 3 sect. The plis are at a moderate depth from the surface, and
coal is worked at an exceedingly cheap rate, and is much prized as a household coal,
in the export and land-sale.
he estering tenant has the option of taking what stock he may require, at a valuai; and the amount of capital required to enter upon the collieries will be of very
liamount.

For particulars apply to Thomas Wheldon, Esq., Barnard Castle; or to Nicholas Wood, Esq., Newcastle-upon-Tyne.—Newcastle, March 3, 1848.

Leq., Newcastle-upon-Tyrie.—Newcastle, March 3, 1848.

VALUABLE PUMPING and WINDING ENGINES FOR SALE.—TO BE SOLD, BY PRIVATE CONTRACT, at WHEAL VOR MINE, in the parish of BREAGE, CORNWALL.

1 80-inch DRAUGHT ENGINE, 10-feet stroke in cylinder, and 8 feet in shaft, main beam and cape, top nossle, syring piston and rod—all new this year; with four botters, of 12 fons each, in excellent repair.

1 80-inch DITTO, 10 feet stroke in eyinder, 7; feet in shaft, cylinder, piston, bottom and cover, nearly new, with two bollers, of 12 tons each, and three boilers, of 10 tons each, all lately thoroughly repaired.

1 40-inch DITTO, 9 feet stroke in eyinder, 7; feet in shaft, without boilers.

1 40-inch WINDING ENGINE, 5 feet stroke, with with two boilers, of 4 and 6 tons and vertical cage, all in complete repair—the boilers and some other parts nearly new.

1 18-inch DITTO, 4 fix stroke, with one boiler, of 5 tons, and horisontal cage, complete. Several TONS of straight and turned STEAM-PIPSS.

12-head CAST-IRON STAMPS AXLES, with bearings, oak frames, &c., complete. A powerful WEIGHING MACHINE, nearly new, comprising every requisite.

An immense number of PUMPS, matching-pinces and windows, 12 to 17-inch bore, with working barrels, deorpieces, H-pieces, cases, with staining-hoxes and glands to match, from 11 to 19 inches bore, and pinner-poles, from 19 to 19 diameter.—Paggotted rod and cap plates, 6, 7, and 8 inches wide, staples and glands, eyernmers, caps, saddles, troughs and gradgeous for balance and other bols.

2 pales for 29, 1847.

2 B.—The above are of easy transit to Hayle wharks, and from thome on ship-board,

TO CAPITALISTS.—An opportunity, which rarely occurs, now offers for the INVESTMENT of a MODERATE SUM in a rich TIN MINE, in DARTMOOR, in the county of Davon, known by the name of EAST BIRCH TOR.—Many thousand pounds worth of its, have already been sold from this mine; the lodes have been extended on, and tributers are now at work. It is desirable, from the rich source of its gone down, to sink to deeper levels; it has, therefore, been determined to use ment the capital, by an issue of new shares, which are new in course of appropriation. As not of specimens has just arrived from the mine, and any party adling at the office, to. I, Cupitali Chambers, Copitali-court, Throgmorton-street, City, can see the same, and where all particulars may also be obtained.

Application for the few remaining shares must be made on or before the 25th inst.

OUTH WALES.—TO BE SOLD, in LLANDILO TALY-BONT parish, near SWANSEA, the FREEHOLD FARMS, called PENGELLY DDRAIN TYBBACH and BRYNLLWYD, containing 75 acres, more or less, togethe with the valuable VELNS of COAL, IERONSTONE, and other MINERALA. The coal of excellent quality for steam-packet purposes, and adjoins, and is partly internalized with the property now worked by the Cameron's Coalbrook Steam-Coal Company. A consider able portion of the coal under this property may be won at a very small cost.

For particulars apply to Mr. Hiram Williams, No. 61, Moorgate-street, London.

FOURDRINIER'S PATENT SAFETY APPARATUS, for THE PREVENTING ACCIDENTS IN MINES AND OTHER PLACES.

By the ADOPTION of this INVENTION the LIVES of the WORKING MINERS may be PRESERVED, and the PROPERTY of the MINE OWNERS PROTECTED from the serious consequences of either of the following accidents—viz:

1. From the men, or the load, being precipitated to the bottom of the shaft when the rope or chain breaks: in this case the apparatus is self-acting.

2. From either the men, or load, being drawn over the palley: in this case, also, the apparatus is self-acting.

A COAL PIT, with the SAFETY APPARATUS ATTACHED to the CAGE, is daily

To inspect the apparatus, or to obtain any further information, application may be Mr. Edward N. Fourdrinier (the patentiee), Cheddleton, near Leek, Staffordshir Mr. Joseph Fourdrinier, 68, Arlington-street, Cameu Town, London—who are program of the USE of the PATENT.

TRONG MIXING PIG-IRON.—The YSTALYFERA
TRON COMPANY beg to solicit ORDERS for their ANTHRACITE PIG-IRON.
This iron mixes well with Scotch pig-imparting to it strength and elasticity, and receiring from it a portion of its softness and fluidity. No. 3 Pig is recommended for mixing with soft iron—Nos. 1 and 2, for machinery castings, requiring great soundness and strength. At this period, when east-iron is so much employed in the construction of bridges and other buildings, requiring all the strength and elasticity which the best mixing of metal will afford, it may be interesting to call attention to the characteristics of ANTHRACITE PIG-IRON, as agreemed to be that great practical authority, the late DAVID MUSHET, ESQ., M.I.C.E.:—

"It greatly exceeds, in strength, in deflective powers, and capacity to resist impact, any iron at this time manutactured in the United Kingdom."

"It now only remains for me to mention a property peculiar to this iron, which was acticed at the time I made the tital experiments, four years ago, but which has been more fully developed in those more recently made. The property referred to is one of great springiness, or élasticity, which communicates a tendency to the bar, in deflecting and breaking, to resume its rectangular form. Bars that had obtained a permanent set of 2-10ths, when afterwards broken, presented but a slight deviation from a right line; and is no case, did the curvature exceed one-fourth of a tenth."

"It was also romarked, that most of the fractures, in breaking, presented a regularity of grain throughout, resembling the structure of unhardened steel."

Address THE YSTALYFERA IRON COMPANY, Dated June 22, 1847.

HOT-BLAST WITHOUT COAL, LABOUR, on REPAIRS.

Apply for particulars, or to inspect the process in operation on six blast-furnaces, to
Dated June 29, 1847.

STEAM TO INDIA AND CHINA, VIA EGYPT.—Regular MONTHLY MAIL (steam conveyance) for PASSENGERS and LIGHT GOODS CONTLON, MADRAS, CALCUTTA, PENANG, SINGAPORE, and HONG-KONG.

THE PENINSULAR AND ORIENTAL STRAM NAVIGATION COMPANT SHOULD BOOK PASSENGERS and RECEIVE GOODS and PARCELS for the ABOVE PORTS by their steamers—starting from Southampton on the 20th; and from Sues on or about the 16th of every month.

For rates of passage-money, plans of the steamers, and to secure passages, apply at the company's offices, 51, St. Mary Axe, London.

CALDWALL'S PATENT SELF-FLEETING WINDLASS CAPSTAN, AND RIDING BITS COMPANY

CAPSTAN, AND RIDING BITS COMPANY.

OFFICES—No. 72, KING WILLIAM-STREET, LONDON.

The patronage of the Lords of the Admiralty and the Hon. Trinity Board, together wit testimonials of several of the most practical, scientific, and influential mantical most in kingdom, having guaranteed the importance to the maritime world of the above-most tioned invention, it is now proposed to carry out the manufacture of the several patonic articles—WINDLASSES, CAPSTANS, RIDING BITS, &c., by means of a capital of \$2100,000, fo. 'te raised in 5000 shares, of £20 each, and to be conducted by a company to be formed for the purpose.

The above inventions, in addition to their superiority over the old windlass, capstate, have the recommendation of greater economy, as they can be supplied at a less price-affording a very handsome profit, and, consequently, a large return to shareholders. Models may be seen in operation—prospectives obtained, and every information gives by application at the office, 73, King William-street, City, from Eleven till Four daily, and orders are received there and at the manufactory, Bell Wharf, Shadwell.

AMBERT'S PATENT FLEXIBLE DIAPHRAGM perfect ease. They have been tested under various pressures, and have given the greates attaction.—MANUFACTURED ONLY by the Patentees,
THOMAS LAMBERT & SON, Brass and Cock Founders,
30, New-cut, Blackfriars-road.

PATENT ALKALI COMPANY'S IRON PAINT.—This
PAINT, now first offered to the public, is the PRODUCT of a PATENT PROCESS, and possesses VALUABLE and PEQULIAR QUALITIES, not otherwise attainable. Its colour is a purple-brown—it is perfectly innocenou—is far more durable than
lead paint, and two coats are fully equal to three of any other paint. A single coat will
be sufficient to demonstrate this. Its durability is very great.

From its chemical composition, it is especially, and above all other paints, adapted to
covering Iron; also wood, and staccood, or brick walls. The pscullar exidation of the
base of this paint makes it impossible that further change should take place in its composition. Its identity with iron secures it from galvanic action, so injurious to the durability of lead paints on iron work. It has been exposed on sulppling to the action of eawater, and the sulphurotted hydrogen so prevalent in sea-ports and tidal harbours, for
three years, without change.

three years, wrong change.

Its cheapness and strength render it admirably adapted for iron railings, farm build lags, and shipping. It will also cover creeseted timber. Price, by the lop, £20, delivered

FALL OF SEVEN RAILWAY ARCHES AT MANCHESTER, and the RECENT ACCIDENT AT EUSTON-SQUARE.—The METALLIC SAND, OF ENGLISH POZZOLANO, after many years trial, has been found an invaluable article in the CONSTRUCTION of RAILWAY TUNNESS, SEWERS, and all UNDERGROUND WORKS, requiring great strength and density. In admixture with Lime or Roman Coment, from its chemical properties, it forms a Mortar, or Concrete, of finity hardness, and almost entire incompressibility; and, from its adhesive and importious qualities, it completely and for ever excludes water. The more it is exposed to the atmosphere, and to wet and damp, the harder and more durable it becomes: it has been extensively used in the great tunnels on the London and Birmingham Railway; in the foundations of the New Houses of Parliament; see wells on the South Devon Railway; (Diffon reservoirs, and other important works.

For further particulars, apply to Mr. C. K. DYER, 4, New Broad-street, London.

Analysis of the Metallic Said.

Silica. 49—Iron. 33—Alumins, lime, &c. 19.

NATIONAL DEFENCES. By WILLIAM MALINS.—
A PLAN, submitted for the consideration of Government, whereby any required force, of the heaviest Artillery and Tropps, may be concentrated at the point of dauges, so as to arrest a hostile fleet under the Fire of Movesble Batteries, traversing on a Railroad set High-water line of Coast, where assailable. The Electric Telegraph, carried along the same line, would convey notice of the approach of an enemy. From the Harbours of Rafuge, Block-ships and Steamers might quickly arrive to attack the enemy in flank and

PORCELAIN CLAY, BLACK LEAD, FELSPAR, and FIRE-CLAY, may be OBTAINED, in any quantity, from Dr. WALTL, PASSAU, in BAVARIA.

BLAENGWAWR STEAM COAL, CARDIFF—placed on the List of Coals supplied, by Contract, to the Government.—ORDERS for the BLAENGWAWR STEAM COAL RECEIVED by Mr. W. F. STANTON, No. 9, LOVELANE, EASTCHEAP; or by Mr. George Sully, agent, 1, Buto-street, Cardiff, Glangganshire, South Wales.

CONTRACT FOR 18-inch IRON PIPES.—TO IRON-MASTERS, FOUNDERS, and OTHERS.—The directors of the COMMERCIAL GAS COMPANY will MEET at the company's offices, on Friday, the 31st instant, to RECEIVE TENDERS for 18-inch injess—syphons, bends, and branches. Specification and printed forms of tender can be had on application being made at the secretary's office. The directors do not picking the hemselves to accept the lowest tender.

By order of the board, G. JAQUES, Secretary 2/Commercial Gas Company's Office, Stepney, London, March 18, 1848.

FOR SALE, BY PRIVATE CONTRACT, a NEARLY NEW Apply to Mr. P. N. Johnson, 49, Hatton-garden, London.

FOR SALE, BY PRIVATE CONTRACT—A single-acting PUMPING-ENGINE—cylinder 30-inch diameter, 9-feet stroke, equal beam, with 7-ton boiler, cisterns, spring beam, and first set of rod-shafts attached, being the engine of Wheal St. Cleen.—For particulars, apply to Capt. Osborne, Liskeard; Mr. West, and neer, St. Blazey; or Mr. Rendle, the purser, 13, Octagon, Plymouth.

FOR SALE—A THIRD PART in one of the most pro-MINES in WALES—situated within a mile of water-carriage, and advant located for the working by water-power. The lodge have been partially worked, large returns of lead ore, and are hald open to a great extent-presenting the rourable appearances, with large quantities of barytes, from which immediate may be made—For price and particulars, address "X.," care of Mr. Ward, see No. 26, Nicholas-lane, City.

WILLIAM W. TAYLOR & CO., MINERAL SURVEYORS, No. 2, ROFAL EXCHANGE-BUILDINGS, LONDON.

MR. JAMES STRIDE, PARLIAMENTARY AGENT, begs to announce, that he has COMMENCED BUSINESS as MINING, SHARE, ESTATE, and GENERAL AGENT. He has ON SALE, SHARES in the best DIVIDEND-PAYING and other MINES. The earliest and most authentic information, and the full benefit of the market value, afforded to buyers and sellers of mining and other property MINES INSPECTED AND REPORTED ON.

MR. R. TREDINNICK, THREE KING'S COURT,

Continues to DEAL in every description of MINING, RAILWAY, BANKING, INSURANCE, CANAL, and OTHER SHARES. Statistical information afforded gratuitously,

upon personal application.—MONEY ADVANCED upon the above securities.

JAMES LANE, MINING SHARE DEALER, 15, OLD BROAD-STREET, LONDON.

WILSON & FRASER, 2, WELLINGTON - BUILDINGS, LIVERPOOL, and 13, EXCHANGE-PLACE, GLASGOW, have always ON SALE PIG-IRON, BAR-IRON, RAILWAY CHAIRS, and RAILWAY BARS.

PROTIENT, RAILING OFFICES—NOTICE,—The BUSINESS
Of these OFFICES will henceforth BE CONDUCTED at No. 25, FLEET-STREET,
LONDON, and No. 4, STAMF-OFFICE BUILDINGS, MANCHESTER, to either of which
offices communications are requested to be addressed. The correspondence and reports,
with the accounts, of the respective companies may be inspected at all times, or application.

British Mining Offices, Feb. 17, 1848.

JAMES TRUSCOTT. British Mining Offices, Feb. 17, 1848.

MONEY.—MESSRS. KILLICK & CO. (late Winstanler, Million & Co.), SHAREBROKERS, inform their friends and the pablic, they make IMMEDIATE ADVANCES, to any amount, on the deposit of English and Foreign Railway Shares. Serip, and Debentures, upon exceedingly advantageous ierras: they also BUY and SELL every description of STOCK and MINING SHARES, at much less commission than usually charged.

6. Bank Chambers, opposite the Bank of England.

ANTIMONY AND SILVER-LEAD MINING AND SMELTING COMPANY.

1000 shares, of £5 each.

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NOW AT WORK ON THE COST-BOOK PRINCIPLE.

For PROSPECTUSES, and further particulars, apply to Mr. Bartlett, No. 58, Lard-street, London.

DEDFORD UNITED MINES—DECLARATION OF DIVIDEND.—Notice is hereby given, that a DIVIDEND of FIVE SHILLINGS per share will be PAYABLE at this office on Friday, the alst of March inst., and every succeeding Friday, between the hours of Eleven and Three o'clock.

The scrip certificates, on which the dividend is claimed, must be left at the office two clear days, before the payment can be made (for which an acknowledgment will be given; certifying the number of shares deposited), that the same may be cancelled and registered in the Cost-book, agreeably to the resolutions passed at the general meeting, held on the 9th Dec. last.

By order of the meeting of shareholders, held this day, 50, Threadneodle-street, March 23, 1848.

G. KIECKHOEFER, Secretary.

COPIAPO MINING COMPANY.—Notice is hereby given that the HALF-YEARLY MEETING of the shareholders in this company will be HELD at their office, No. 22, Austinfriars, on Thursday, the 30th fine., at One o'clock precisely.

By order of the directors,

22, Austinfriars, March 16, 1848.

FREDK. GRELLET, Secretary.

DARTMOOR CONSOLS TIN MINING COMPANY.—
A SPECIAL GENERAL MEETING will be HELD at the White Hart Inn. Cogeshall, Essex, by order of the committee of management, on Monday, the 3d day of Apnext, at Two o'clock in the afternoon, for the purpose of confirming the resolutions of
meeting, held on the 21st February last, for abandoning the mine, and to dissolve it
company.—Coggeshall, Feb. 22, 1848.

W. BEARD, Purson

INZIGTHAL MINING ASSOCIATION.—The FIRST of the concentration will be HELD at the office the company, 1, Adelaide-place, London-bridge, on the 20th of April, at One o'clock rectisely.

MENDIP HILLS MINES.—At a Special General Meeting of the starteholders, held at the offices of the company, 44, Finsbury-square, on Friday, the 24th March inst., it was Resolved,—That the reports and accounts, now read, be received, adopted, and extered in the cost and transfer-book of this company.—Carried unanimously.

Resolved,—That the thanks of the shareholders be presented to the chairman, for his politic and able conduct in presiding over the business of this meeting; and that the thanks of the meeting be also presented to the directors, for thair able management of, and careful attention to, the affairs of this company; and the interests of the hareholders.—Carried unanimously.

Resolved,—That a special vote of thanks be presented to P. N. Johnson, Eq., for his invaluable services and attention to this company's bisiness.—Carried unanimously.

TAMAR SILVER-LEAD MINING COMPANY. Notice is hereby given, that a THIRD PAYMENT.)

Notice is hereby given, that a THIRD PAYMENT.)

Notice is hereby given, that a THIRD PAYMENT of TWENTY-FIVE PER CENT of the subscribed CAPITAL of this company, and a THIRD PAYMENT of TWENTY-FIVE PER CENT of the subscribed capital, will only ing Wednesdays, between the hours of Twelve and Four.

The interest of 5 per cont. on the above 25 per cent. subscribed capital, will coally the 29 inst.—The debentures must be left at this office of the company three clear days, to be examined and markets.

44, Finsbury-square, London, March 16, 1848.

TRELEIGH CONSOLIDATED MINING COMPANY—
The directors hursby give Notice, that a MEETING of the shareholders will in HELD at the office, on Monday, the 3d of April next, at One o'clock precisely, when a accounts, for three months, ending the 31st March, will be laid before them.

57, Old Broad-street, March 15, 1848.

WML NICKOLSOW, Secretary.

A DCOCK'S PATENT SPRAY PUMP.—This is INVENTION having been PERFECTED, and brought into 300 PRACTICAL OPERATION, the PATENTER is ready to RECEIVE, and BDDESS—Apply to Henry Adock, C. E., as his ordices, No. 3, Moorgale swhere pamphlets, descriptive of the invention, may be had; at the office of formal 38. Placet, tweet mid through any resemble to the control of the

Chloroform in Manufactures.—The powerful solvent capabilities of chloroform are now, by experiment, fully established. Caoutchouc, resin, copal and gum-lac, bromine, hodine, the essential oils, &c., yield to its solvent power. This property may, it is believed, prove extensively of advantage in many of the fine and useful arts.—Pharmacoutical Times.

the fine and useful arts.—Pharmacocitical Times.

REDUCTION OF THE FEE ON REGISTERED LETTERS.—The following notice has been issued by the Post-office authorities:—"On and after the 28th inst, the fee charged for the registration of letters will be reduced from 1s. to 6d, which must be paid in money. The postage of regustered letters must, in all cases, be paid in stamps. The public are earnestly recommended to register all letters containing enclosures of any value."

THE COAL TRADE IN THE UDDEN TIME.—At a recent meeting of the Archæological Institute, Mr. Hudson Turner read a document of the reign of Edward III., illustrative of the coal trade of that period. It detailed certain expenses for purchases in sea coals for the king's use, by writ of privy seal. They were bought at Wynlatone, at 1s. 5d. per chaldron—brought to Newcastio in "keles," and by ships to London—the freight to the metropolis being at the rate of is, per chaldron.

On the concealed cause that preys on the health and shortens the duration of human life
Illustrated with numerous coloured engravings.—Just published, in a sealed envelope
Price 2s. 6d., or free by post, 3s. 6d.,
ONTROL OF THE PASSIONS: a Popular Essay on the
Duties and Obligations of the Married State, the disconlined in resolutions.

ONTROL OF THE PASSIONS: a Popular Essay on the Dutles and Obligations of the Married State—the disqualifying impediments and consequent disappointment of marrial anticipations—the physiology, use, and abuse of the passions—injurious results of precoclous exertions and excesses—the concealed cause of sexual debility, and the infirmities of the reproductive organs—with advice to those suffering from excessive influigence in a secret vice, or from infection; and remarks on gonerrhous, elect, stricture, and syphility. Illustrated with coloured engravings and cases. By CHARLES LUCAS & Co., Consulting Surgeons, 60, Newman-street, Oxford-street, London, Member of the London College of Medicine, &c.

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TARY THE Frary treats of the anatomy and physiology of the reproductive organization in marriage and the street of the consequences resulting from excessive induigence, and their lamentable effects on the system, productive my mental and bodily weakness, nervous excitement, and generative incapacity; it is illustrated by three explanatory engravings.—PART THE THEAD treats of the desease resulting from infection, either in the primary or secondary form, and centains explicit directions for their treatment. The consequences of neglect, and of the abuse, of mercury are also clearly pointed out. This section is lillustrated by 17 coloured engravings.—PART are Fordary treats of Perry's Preventative Lotton, by the use of which the dangers of infection are obviated. Its action is simple but sure; it combines with the virus chemically, and destroys its power on the system—PART THE FIFTH is devoted to the consideration of marriage and its duties. The causes of unproductive unions are also consideration of marriage and its duties. The causes of unproductive unions are also consideration of marriage and its duties. The causes of unproductive unions are also consideration of marriage and its duties. The causes of unproductive unions are also consideration, secondary symptoms, eruptions, and the abuse of mercury, its and 33s, per bottle.—PERRY's PREVENTATIVE LLLS, 26, 24, 48, 46, and 11s, per box—a certain remedy in genorrhead, gleet, strictures, and chronic inflammation of the bla

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A Womberfull, Curke of An Erruption and The Face by Hollowar's

A Wondenful Circle of an Equiption in The Face by Holloway's property—The editor of the Guerassy Sus publishes, in his paper of the 30th of Feb., a not extraordinary cure which he witnessed by the use of Holloway's eintment, in the case a child whose face was entirely covered with scales. By his recommendation, the parents the child ried this invaluable remedy; and, in the space of one week, to the actonishment jewey one, the face was perfectly hesled. This often continued alphed for the provide, cancers, bed breaste, and care legs. Bold by all druggists, and at Professor Holloway's tetablishment, 344, Strand, London.

STRENGTH OF MATERIALS FOR BAILWAY BRIDGES The president of the Royal Scottish Society of Arts (G. Buchanaa, Esq.) at the request of the council, presented an important communication, at their last meeting, entitled—"An Exposition on the Strength of Materials, particularly Cast-Iron and Malleable Iron, and their Application in the Construction of Railway Bridges."

[On this subject, so important at the present time, from the extensive use of these materials in the construction of bridges for railways, and from the new and extraordinary forms and dimensions which they are now beginning to assume, the council of the society had requested their president to make a communication on the present state of our knowledge and practice; and, or reading the first part of his communication, he illustrated his subject by various interesting experiments and models, more particularly a large and beautiful model, with drawings and elevations, of the high level bridge across the Tyne at Newcastle, which, through the liberality of Mr. Robert Stephenson, the engineer of the bridge, he was enabled to exhibit, and to explain the situa tion, extent, and construction of this great work in all its details.]

Mr. BUCHANAN commenced by stating, that he did not profess to commu

nicate anything original, but would be happy if he could only draw from the inicate anything original, but would be happy if ne could only draw from the stores of information which had of late years been accumulating on this anilest, under the had of very eminent, scientific, and practical men, such leading, and the provided of the provided of the control of the provided of the provided of the provided of the provided of experiment and calculation, could not, be thought, be too widely disseminated. The various strains might all not reduced to two times, according grounds of experiment and calculation, could not, be thought, but only on a single element—change, the materials not even on the ineight, but only on a single element—change, the materials not even on the ineight, but only on a single element—change, the materials not even on the ineight, but only on a single element—change, the materials not even on the ineight, but only on a single element—change, the materials of the control of the control of the control of the certain of the control of the certain of the control of the certain of the cer

....The town of Birmingh ORTANT AMERICAN INVENTED

section, possesses some extensive works, where copper is meltic from the piginte ingots, rolled into bars and sheets, and drawn into wire of all sorts and
aises. It has eut-nail and shoe-safe fisteries, a broad-clot manufactory
(from American wood), smanufactory of patient machinery for the adjustment,
print obviated, and all datinger of after-lammes from contraction preduted—a
signal triumph of Yankee inventive skill, though not more ingenious than a
brase shain abhericate in the wire-drawing shon, which does its work with
wonderful accuracy. At overy turn of the driving-wheel, the wise unwinding
ning through the last formed link, exactly the length for two links cut off, first
one and turned over into a link, then the other—the former dropping down
through the mast formed link, exactly the length for two links cut off, first
one and turned over into a link, then the other—the former dropping down
through the mean the principle is applied to irou and steel wire, it will ensure a fortune to the patentees—The great feature of Birmingham, however, is
in the meaning and the principle is applied to irou and steel wire, it will ensure a fortune to the patentees—The great feature of Birmingham, however, is
in the meaning and the state of the company and the strength of the company and are
are, except a few German pins, for the German population of Pennsylvania—
One more invention, on the importance of which much atreas is laid, full attempt to describe, it is an invention for cutting files by machinery in Engper day. This bids fair to produce a new era in the manufacture of files; and,
if not introduced into Europe, will make files an article of export from that
equal transplant to the strength of the produce of the company and the strength of the produce of the produce of the bank at the same time, making, in common speed, between 300
and 300 cates against the two firms of the rain work of the company and the strength of the produce of the company and the produce of the company and the produce of the produ

of the decree place the last-named officers subordinate to the first, and divide the railways of the Republic into six arrondissensents.

Power AND SPERD OF THE LOCOMOTIVE.—The ordinary morning express train of Saturday, from the Paddington terminus, made, for 53 miles, the most rapid trip that has yet been performed by the locomotive. During the experiments that were made with the broad gauge 8-wheel engines some menths since, the shortest time in which the 53 miles from Paddington to Didcot were run over was 53 min. 34 sec. On Saturday, the Lightning, 8-wheel engine, with 8-ft. driving-wheels, and driven by William Cowell, a careful and experienced man, left Paddington at 54 min. 6 sec. past 10 o'clock, and came to a dead stop at the Didcot station at 45 min. 44 sec. after 11 o'clock; performing the 53 miles, therefore, in 51 min. 38 sec.—that is, from a state of rest to a state of rest. The writer rode the whole of the distance on the engine, which was perfectly steady at the highest velocity—viz.: between 75 and 76 miles per hour. Of the 53 miles, 50 were performed at the average velocity of between 67 and 68 miles per hour. The weight was 50 tons. We witnessed another excellent performance on our return journey by the 10-15 train from Swindon. The train, which consisted of 15 carriages, luggage-vans, horse-boxes, and carriage-tracks, weighing about 115 tons, left Swindon at 35 min. past 12 o'clock (20 min. late). The engine attached to the train was an old one, called the Pollux, with 7-ft. driving-wheels, 16-in. cylinder, and 20-in. stroke. The train made six stoppages, losing nearly 17 min. at three of them, and did the entire distance (77 miles) in 2 hours 26 min., or upwards of 30 miles an hour, including the stoppages—an extraordinary performance, considering the class of engine, in this case, was driven by F. Kirkham, one of the best drivers in this country.—Herald.

CALEDONIAN RAILWAY.—We understand the damages done to this line, engine, carriages, &c., by the late accident amount to many the many s

COUNTRY.—Heraid.

CALEDONIAN RAILWAY.—We understand the damages done to this line, engine, carriages, &c., by the late accident, amount to more than 2000l. The inquest on the two unfortunate sufferers—Mrs. Warwick and John Rinder—has resulted in a verdict of "Accidental Death," with a recommendation, however, from the jury, that the company should see that their servants were more strict in the discharge of their duties.

Edirium and Charlesow Railway.—On Friday, the new iron rope, for taking the trains up the tunnel, came into operation, and is found a great improvement. It takes the trains up in about half the time, and there is now no smoke, or steam, to pollute the air. The locomotive that drags the train goes up at the same time; but it does not use its power till at the head of the incline.

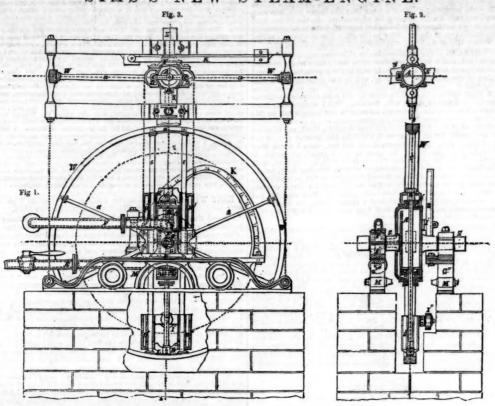
Scottish Central Railway.—We believe that Viscount Duncan has been

SCOTTISH CENTRAL RAHLWAY.—We believe that Viscount Duncan has been unanimously elected chairman of the directors of this company, vice the Marquis of Breadshame, and Mr. Bruce, of Kennet, vice-chairman, in room of Major Moray Stirling, of Abercairney.

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SIMS'S NEW STEAM-ENGINE.



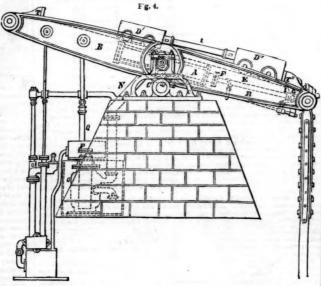
[Patent dated Sept. 9, 1847.—Patentee, James Sims, Esq., C.E., Redruth. Specification enrolled March 9, 1848.]

Patent dated Sept. 9, 1847.—Patentee, James Sims, Esq., C.E., Redruth.—Nothing so new or remarkable as this, in the class of steamengine improvements, has appeared for a long time. Mr. Sims has already attained to great eminence as a steam-engine buildér, as is witnessed more especially by his double piston expansion engines, and their unrivalled pumping performances; but, in the present instance, he has gone much beyond all his previous efforts. He claims to be able, by the plan of construction we are now about to describe, to obtain a greater effect, in proportion to the fuel expended and steam produced, than has been ever heretofore accomplished; and this he well may, for all the duty he now ask of the steam to perform is, to turn, as it were, a scale, and leave certain weights thrown into that scale, to do the rest. Such steam, too, as he does require, he uses expansively, and pushes that expansion to the urmost: the consumption of steam is thus reduced to the very lowest point to which it is, in all likelihood, possible to carry it. The office of the steam, in this engine, is simply to shift certain weight-blocks to and from the centre of motion—the power of the engine being mainly derived from the gravity of these blocks, when brought into certain positions. The system may be applied either to rotary or reciprocating engines, as is explained in the following extracts from Mr. Sim's specification:—

"My invention has, firstly, relation to the class of steam-engines which operate by direct rotary action, and has for its object to simplify the construction of such engines, and reduce the cost thereof; as also to obtain a greater effect therefrom, in proportion to the fuel expended and steam produced, than has been ever heretofore accomplished. And in figures 1, 2, and 3, have exhibited so much of a high-pressure engine, constructed according to this brauch of rules and the standard steam produced, than has been ever heretofore accomplished. And in figures 1, 2, and 3, have exhibited to much of a high-pressur wheel through the remaining half of one revolution (as represented in fig. 1), by which time the cylinder is in a position to receive a second charge of steam, when the same operation is repeated, as before, and the entire revolution completed; and so on for any number of revolutions, as long as the engine is supplied with steam. The weight-blocks, it will be observed, are prevented by the guide-plate from being thrown out, so far as to come in contact with the periphery of the wheel; but that guide-plate is not absolutely required, except where the engine is worked with variable loads, and it may be safely dispensed with wherever the engine has one steady and uniform duty to perform; and, in the latter case, it will be proper to attach to the inside of the periphery of the wheel, between the arms, ecce, two paddings, or buffers, L L, of vulcanised caoutchoue, or of gutta percha, to protect the periphery from any accidental concussion of the blocks against it. The weight-blocks must always bear a due proportion to the mean power of the steam; or, in other words, the terminal pressure of the steam; or, in other words, the terminal pressure of the steam should always be just sufficient to hold the two blocks in equilibrium, until the one which is uppermost for the moment is thrown over from the centre towards the descending side of the wheel. The bulk of the blocks may, however, be considerably diminished, by casting them hollow, and filling them up with lead.

however, be considerably diminished, by casting them hollow, and filling them up with lead.

"In order to avoid any inconvenience which may attend the enlargement of the cylinder and wheel, where an increase of power is required, there may be two, three, or more wheels, of sedium size, attached to one shaft, or there may be two or more cylinders, mounted in one wheel, placed at angles proportionate to their number; as, for example, if two cylinders are used, they should be at right angles; and if three, they must be at angles



of 30° apart. The power of the engine, or engines, may be transmitted either from the shaft or through the medium of bands carried round the wheel, or wheels; and, when requisite, the rotary motion transmitted may be converted into a rectilineal one by any of the ordinary and well-known methods of effecting such changes. An engine of this sort is more especially adapted to be worked by high-pressure steam, and on the expansion principle, because of its offering no limit to the extent to which the expansion may be carried; it may, however, be readily worked also on the condensing principle, by carrying the exhaust-pipe into a condenser, with airpump attached to it. The engine is represented in the figures as calculated to revolve in one direction only; but, should it be desirable to have the power of reversing the motion, that may be easily effected, by having a second parabolic guide-plate on the opposite side of the wheel, and providing some suitable means of causing the guide-wheels to shift from the one plate to the other.

power of reversing the motion, that may be easily elected, or marked cond parabolic guide-plate on the opposite side of the wheel, and providing some suitable means of causing the guide-wheels to shift from the one plate to the other.

"Secondly. My invention consists in the construction of a reciprocating steam-engine, on the same principle as the rotary one, before described—namely, that of employing the steam to shift weight-blocks to and from the centre of motion, and turning to account the power derived from the gravity of these blocks when brought into certain positions. Fig. 4, represents a side elevation of a pumping-engine on this plan; B is the beam which works, or moves, on the gudgeon B², or centre of motion, and is supported by the pedestals or pillow-blocks, C C. A is a steam cylinder (shown in dotted lines), which occupies a place between, and is attached to the two sides, or halves, of the beam, B. To the piston (which works from one end to the other of the cylinder, as in ordinary engines) there is attached a rod, E, which passes out through a stuffing-box, F, at one end, and carries at its outer extremity a cross-head, G. D' D' are two weight-blocks, placed at a short distance apart, but connected by a wrought-iron rod, I, which are mounted on wheels, and run on rails, affixed to or cast on the sides of the two halves of the beam. The cross-head, G, of the piston-rod is connected to the weight-block, D'', which is next the pump-rod—so that whatever motion is given to the piston, is communicated, through the medium of the cross-head, to the weight-blocks. The steam is admitted into the cylinder through a port in the main gudgeon, or centre of motion; and the induction valve is worked by a tappet, I, so adjusted, that the steam obtains admission under the piston only when the beam is in an inclined position, and the piston is at the lower end of the cylinder; while, on the other hand, the exhaust-pipe, N, is always open for the escape of the steam from the higher end of the cylinder to the conde

Mining Correspondence.

ENGLISH MINES.

ANTIMONY AND SILVER-LEAD MINES.—We have costeaned over the greater part of this sett, and found three antimony lodes, varying in size from I ft. 6 in. to 6 ft. wide—some of which produce good stones of ore, similar to sample sent. We have raised from No. 1 lode upwards of 10 tons of antimony of a superior quality; and there now remains a large lode in sight, which is increasing in depth; the stratum is a beautiful killas, very congenial for antimony. We can, by driving about 50 fma, bring up an adit which will cut this lode at a depth of 12 fms; and, by driving 20 fms. further to hill, will take the second lode at a depth of 20 to 25 fms.—this is also a most kindly lode, and likely to produce large quantities of ore at that depth; the other lode is still further to hill, and similar in appearance to the two before mentioned, only not so large, although it carries good atones of antimony; on the back, on the lower part of the sett, we have cut four silver-lead lodes—two of which produce good stones of ore, worth 20t. a ton for silver; we have driven our adit 30 fms. to hill, for the purpose of intersecting two of the lodes, which we shall take at nearly 20 fms. in depth; and I am in hopes will prove productive at that depth. One of these is Wheal Sarah lode. I have no doubt of this making a first-rate mine; and that, from the appearance, the produce for antimony and silver-lead will be large, and the shareholders may reasonably expect permanent returns.—St. Bruard, March 22.—[Some of the above antimony ore has been sent to Mr. J. W. Redmond, who states, "I have examined your specimens of antimony ore, which are exceedingly fine and valuable, and will yield from 60 to 70 per cent. of pure antimony, when properly dressed, and fetch in the market about 15t. per ton of 21 cwts.; but I consider it would answer your purpose much better to smelt it yourselves on the spot, as the necessary outlay for the erection of works would be but trifling, and the profits of the smelting very large—good ore coating

there on tribute. The eastern flat-rod shaft is sinking with nine men, with as much dispatch as possible. On the whole, our prospects are greatly improved. BEDFORD UNITED.—At Wheal Marquis, the lode in the 90 fm. level, east of the sump winze, is 3 ft. wide, and worth 357. per fm.; in this level west the lode is at present small; the lode in the rise, in the back of the 90 fm. level east, is 18 in. wide, producing good saving work; and in the stopes, in the back of this level west, the lode is worth 12ft. per fm. The lode in the 80 fm. level east, is 18 in. wide, producing saving work. There has been no lode taken down in the 70 fm. level east; in this level west, on the south lode, the lode is small and unproductive. There has been no lode taken down in the 47 fm. level west, in the south lode; the engine-shaft is 8 fms. 3 ft. under the 80 fm. level west, in the south lode; the engine-shaft is 8 fms. 3 ft. under the 80 fm. level west, in the 50 fm. level, ast of the south engine-shaft, the lode is 2 ft. wide, producing stones of ore; and in the adit east, on this lode, the lode is 18 in. wide, composed of peach, spar, and mundic.

CARTHEW CONSOLS.—Our water-wheel, in this mine, is keeping the water from our new engine-shaft, below the 10 fm. level; but I fear it will not continue to do so long after the dry weather sets it. We are driving the adit end south, by three men, at 31s. 6d.; and driven south of south shaft, on the hill, 50 fms.; the end is looking very kindly, producing some small stones of very rich copper. The 10 fm. level end is looking much better than it has ever been seen, with a very promising lode, 23 ft. wide; this end is driven from the shaft 9 fms.—present price, 20s. per fm.; the north end is much the same as last reported. The lode in the bottom of the engine-shaft is about 4 ft. wide, and looks very promising.—March 21.

DEAN PRIOR AND BUCKFASTLEIGH.—In the 20 fm. level west we are still driving on the south part of the lode, being of a very promising description; we intend, in the cour

already; this will answer the purpose of stamping the coarser work, halvans, &c.—March 22.

DEVON AND COURTENAY CONSOLS.—Since our last general meeting, we have cut ground for bearers, cistern, &c., and completed the other necessary work preparatory to sinking, and subsequently sunk our engineshaft 3 fms. 3 ft. 3 in. below the 40 fm. level; there remains yet to sink in order to be deep enough for our next level, 7 fms. 4 ft. 3 in.; this will include a sufficient depth for a tip plat and fork; this, I bope, will be be completed in about three months from this time. In the 40 fm. level we have extended a cross-cut north 5 fms., and intersected the gossan lode, and driven upon it 45 fms.—the lode averaging from 20 in. to 23 ft. wide, composed of mundic, quarts, and stones of ore. On the south lode, we have driven east and west of the cross-cut about 8 fms., on a lode varying in size from 1 to 2 ft., producing several tons of ver- good copper ore; the present ends of these two levels, although not so productive as they have been, yet continue to yield saving work, with every indication of further improvement. [We published the particulars of the meeting of adventurers, on the 14th inst., at which this report was presented, in our last Journal.]——The lode in the end, driving east, on the gossan lode, is 18 in. wide, containing mundic, spar, and peach, producing also some good stones of copper ore; in the end, driving east, on the south lode, the lode is 6 in. wide, containing mundic, spar, and spots of ore; in the end, driving west, on the same lode, the lode is 1 ft. wide, producing good stones of copper ore, mixed with mundic and spar—good saving work; the present appearance of the ground to the south of the lode, in this level, intimates that we are not far from the cross-course seen in the level above. Our shaftmen continue to sink the engine-shaft has in the past week been favourable for sinking, and will be completed to the 58 fm. level by Tuesday morning

ground continues favourable.—March 21.

EAST CROWNDALE.—Our engine-shaft has in the past week been favourable for sinking, and will be completed to the 58 fm. level by Tuesday morning next, when we shall begin to cut a plat, in order to drive to cut the main and north lodes. The 47 fm. level, driving on the course of the north lode, is still poor—the lode is about 15 in. wide, composed of spar, flookan, and killsa, with spots of ore; the rise and stopes in the back of this level are very much improved in the past week—the lode is, on an average, 20 in. wide; the principal part of which is ore of a good quality, the other parts spar and peach. We are getting on speedily with the engine house at Rix Hill, which will be finished in about three weeks.—March 18.

EAST TAMAR CONSOLS.—In answer to your inquiries. I has to inform

inished in about three weeks.—March 18.

EAST TAMAR CONSOLS.—In answer to your inquiries, I beg to inform you, the number of pitches that could be set on tribute (when the mine is in full operation, as it at present stands) is nine, varying from 6s. to 12s. in 11, which, no deubt, would yield 35 tons of ore per month, at a cost of 3501, which would leave a profit. No doubt, as the mine is extended—i.e., shaft sunk deeper, and levels driven, and more tribute ground open—the samplings will improve. The levels, which I should reconnend driving, when the mine shall commence under the new company, are the 60 fm. level north and south, and the 46 fm. level north and south, and continue the sinking of the engine-shaft, when the 60 fm. level, north and south, is driven a sufficient distance from it. As regards the temporary mode of working, I should recommend to drive the 60 fm. level north, which would be opening good tribute ground, and raise sufficient ore to pay for driving; and also to set a pitch in the back of the 54 north, by four men; and also to set a pitch in the back of the 54 north, by four men; and also to set a pitch in the back of the 54 north, by four men; and also to set a pitch in the back of the 54 north, by four men; and also to set a pitch in the back of the 54 north, by four men; and also to set a pitch in the back of the 54 north, by four men; and also to set a pitch in the back of the 54 north, by four men; and also to set a pitch in the back of the 54 north, by four men; and also to set a pitch in the back of the 54 north, by four men; and also to set a pitch in the back of the 54 north, by four men; and also to set a pitch in the back of the 54 north, by four men; and also to set a pitch in the back of the 54 north, by four men; and also to set a pitch in the back of the 54 north, by four men; and also to set a pitch in the back of the 54 north, by four men; and also to set a pitch in the back of the 54 north, by four men; and also to set a pitch in the back of the 54 north, by four men; and

GALLOWAY.—In costeaning on the lode south, named in my last, we have not arrived at any satisfactory results. We have resumed driving north at the bottom of the first shaft, with a view to intersect an east and west lode; the end appears strongly impregnated with mineral, is wide, and not costly for driving.—March 18.

driving—March 18.

GREAT MICHELL CONSOLS.—There is no important alteration in the sump winze; the lode continues very large, and is, in its general character, very promising—2 ft. on the north part thereof is producing some good saving work. In the 35 fm. level, west of the sump winze, we have, during the past week, opened into the north part of the lode, which is composed of mundic, capel, spar, and a small proportion of copper; we intend driving on this part of the lode, being easier of progress.—March 23.

HEIGNSTON DOWN CONSOLS.—In consequence of some let with the machinery, we have not yet got the water in fork. The hastunon still continue driving the 20 fathom level east—the lode in which is producing ofme saving work for tin. The ground in Buddle's adit is at present more far-vourable for driving.

HERODSCOMBE.—We have cut through the lode, in the 21 fm. level; it is more than 5 ft, wide, very loose, and letting out plonty of water; it is continued to the lode, white spar, mundic, and a little lead. I find the underlie to be about 14 in. to the fathom, which is a foot per fathom less than from the adit to the 12 fm. level.—Capt. J. Bryant, who was appointed to impact the mise.

TOWN OF THE CHIEF HAVE TOWN IN

reports as follows:—"I find the 12 fm. level is extended on the course of the lode about 60 fms., where it variesconsiderably.—some places it is 2 ft. 6 in. wide, composed of hard and friable quarts, capel, mundic, and flookan; other places it is not more than 6 in. wide, ontirely composed of flookan. The lode is cut in the 21 fm. level, and opened on about 7 ft., where it is 5 ft. wide, composed of pard and frisble quarts, mundic, espel, and fleokan.—I should say, it is not an unkindly lode in this place. I would advise your driving in the 21 fm. level.

Any, about 20 fms., to prove it.—which, ladging from the ground in sight, will not cost more than about 50 ft., when 1 think you may fairly come to a conclusion whether you should sink deeper, or abundon the concern."

HOLMBUSH.—The lode in the 120 fm. level south is 4 ft. wide, composed of saar and stores of lead, the north end in this level is for the present suspended, and the men put to rise above the back of the level to affect a communication with the pitch in the bottom of the 110; the pitch in the back of this level is at present poor. The lode in the 110 fm. level south is 5 ft. wide, composed of quarts, and producing about 5 cwts. of lead per fm.; the lode in the 140 north is 4 ft. wide, composed of quarts and stones of lead, worth 4. per fm.; the pitch in the back of this level is producing some very good lead. The lode in the 100 fm. level south is 3 ft. wide, composed of spar and lead, opening tribute-ground; the lode in the winze, sinking below this level, in 2 ft. wide, composed of spar and lead, opening tribute-ground; the lode in the winze, sinking below this level, in the 100 fm. level east of this level of the composed of spar and lead, opening tribute-ground; the lode in the winze, sinking below this level, in the 100 fm. level east of the lead lode, still continues in rmall branches, making two walls, about 3 ft. apart; there has been no lode taken down in the tribute-pitches, in the back of this level of the weighed 20 tons 8 cwts, pay-ab

able, and will be shipped to-morrow at Calstock Quay, for the smelting-house at Boint.—March 21.

KIRKCUDBRIGHTSHIRE.—The lode in the 50 fm. end west is very large—in fact, we know not how large, as greater part of it stands north of us; that part on which we are driving produces about \(\frac{1}{2} \) ton per fm. We are now within 6 ft. of the winze, coming down from the 40 fm. level, in which there in a rich lode, but, from the dial, is 8 or 10 ft. north of said end. The lode in the 40 and is not so good as I last reported—worth now 5 cwts. of lead per fm.; on the caunter east, in this level, the lode has greatly improved the last day or two, and the same will apply to the pitch working over this end. The 30 east is still in confused ground. In Keith's shaft the lode is 3 ft. wide, producing about 5 cwts. of lead per fm. On the dressing-floor, we have about 40 tons ready for shipment; but it is difficult to get suitable vessels for small cargoes.

LEWIS.—The 70 cross-cut, south of sump whim-shaft, is driving to cut the south branch—ground favourable. The lode in the 60 east is 3 ft. wide, producing some tin, and very promising; the lode in the 60 east is 3 ft. wide, producing some tin, and very promising; the lode in the 60 east, on south branch, is 6 in. wide, producing fair quality tinstuff. The lode in the 60 east, on south branch, is 6 in. wide, producing about tin stuff. The lode in the 40 east, on south branch, is 8 in. wide, yielding fair quality tinstuff. The lode in the 40 east, on south branch, is much the same as when last reported. The lode in the 20 east is 2\(\frac{1}{2}\) ft. wide, producing about tin enough to pay its own cost.—March 18.

MENDIP HILLS.—The appearance of the lode in the 38 fm. level, south of shaft, continues much the same—being 2 ft. wide, composed principally of spar and limestone, intermixed with iron—ground hard for driving. In the slag department, we continue to get on with the necessary work for the dressing-floors as fast as possible; and preparations are also being ma

ing the slimes, which we find contain lead. The bods of slags, through which we have been rather course work; however, I am glad to say, we find it again improving, and hope to work the furnaces three or four days this week.—March 20.

**SOUTH WHEAL MARIA.—We are still continuing to extend the cross-cut anorth, in the 20 fm. level, by six men; and, although we expected to have reached the north lode a fortnight since, we have not yet intersected it. I hope it will be in my power to report favourably on this part shortly; and that the branches, which we have already cut is fine, behind the present cross-cut, will not be found to be the lode eventually. We have eix men employed in the south cross-cut, also in the 20 fm. level, and are driving about 6 feet a week; at this rate, I calculate we shall cut the great gossan lode south in about three months from this time, where I have great confidence in finding it valuable, from its appearance on the back; and, by extending west on its course, should it be found productive, we shall reach the great cross-course in driving about 100 fms., where it would be 70 fms. deep from the surface; here good lead ore has been found on the back for a great length in a very promising gossan; and, there being a cannter lode underlaying towards it, I fully believe that large returns of lead ore will be made.—March 23.

**SOUTH WHEAL TRELAWNEY.—Snell's engine-shaft is in course of sinking with nine men, ground a little harder than when last mentioned—water just the same as usual. In this last week we have been engaged in dividing and casing down the whim-shaft from the engine-shaft, also doing some work about the lift, as it is getting long and heavy, for fear of accident.—March 20.

**TIN YALE.—In consequence of Hooper's pitch being so good, and looking so well, three men came here yesterday to offer for ear of accident.—March 20.

**TIN YALE.—In consequence of hooper's pitch being so good, and looking so well, three men came here yesterday to offer for a so and an on mischief to got

TRELEIGH CONSOLS.—The 120 cross-cut, north of Christoe's, is driving to cut the lode west of the slide. In the 110, east of ditto, the lode is 2h ft. wide, but little ore. In the 100, south-east of ditto, on the slide, we intend to cut he lode we are driving on in the 110 in. level. At Garden's shaft, below the 100, in the country, the lode is standing 2 ft. north of the perpendicular; in the 100 cross of ditto. the 100, east of ditto, the lode is 2 ft. wide, no ore to value; in the 100, west of ditto, the rise is holed and completed, but nothing done in this end. In the 90, west of ditto, the lode is 2 ft. wide, worth 61, per fm. In the 80, west of ditto, the lode is 18 in. wide, worth about 41, per fm. In the 70, west of ditto, the lode is 18 in. wide, with stones of ore only. In the 60, west of ditto, the lode is 2 ft. wide, worth 201, per fm.; in the rise, above the 60, the lode is 4 ft. wide, worth 51, per fm. In the adit east, on Wheal Parent lode, the lode is 4 ft. wide, south part orey, worth 51, per fm. The adit, north from the engine-ahaft, is driving to cut Wheal Orphan lode.—March 18.

WEST WHEAL JEWEL.—In the 57 fm. level, west of Williams's cross-

shaft, is driving to cut Wheal Orphan lode.—March 18.

WEST WHEAL JEWEL.—In the 57 fm. level, west of Williams's crosscourse, on Wheal Jewel lode, the lode is 2 ft. wide, worth 12t. per fm. In
the rise, in the back of the 70 fm. level, west of Williams's cross-course, on the
same lede, the lede is worth 4t. per fm. In the deep adit, west of Hodges's
cross-course, on the same lode, the lode is 1 ft. wide, producing stones of ore.
In the 30 cross-course, south from Tokcarne tin lode, the ground is harder for
driving; in the deep adit, west of Quarry shaft, on Tokcarne tin lode, the lode
is 18 in. wide, worth 5t. per fm. In the stopes, in the back of the 12 fm. level,
west of Quarry shaft, on Tokcarne tin lode, the lode is 5 ft. wide, worth 35t. per
fm.; in the shallow adit, west of Quarry shaft, on the same lode, the lode is
2 ft. wide, unproductive.—March 20.

WEST WHEAL MARIA.—The western engine-shaft is down below the

2 ft. wide, unproductive.—March 20.

WEST WHEAL MARIA.—The western engine-shuft is down below the 64 fm. level about 55 fms.—ground favourable for sinking. We hope to reach the present east west in the 84 fm. level this week.

WHEAL ADAMS.—We commenced stoping the quartzose lode, south of the wime, in the 50 fm. level; but owing to a large stream of water issuing from a part of great friability, we could not succeed, and have, therefore, begun to

drive the level; the extension of 4 or 5 fms. will, no doubt, drain the lode, when it can be removed with greater facility, and at a much less expense. Where we left the stopes, the lode was 3 ft. wide, worth 15£ per fm. The jack Iode in the 40 is 2 ft. wide, producing 4 tons of ore per fm.; the brown jack, however, is wearing out, and blue blende making its appearance. In the 18 fm. level stopes there is not so much copper as when last reported, but the lode produces much gossan, containing 20 ozs. of silver in the ton. The two parcels of lead ore, sold to Messrs. Michell and Son, will be shipped to-day.—March 21.

stopes there is not so much copper as when last reported, but the lode produces much gossam, containing 20 cs. of silver in the ton. The two parcels of lead ore, sold to Messra. Michell and Son, will be shipped to-day.—March 21.

WHEAL BARBARA.—The steam-engine on this mine commenced working on Saturday last, and it is very satisfactory to me to have to say, that she started favourably, and is doing exceedingly well at the present time. I spent the greater part of the day there yesterday, and it was pleasing to see with what apparent ease she managed the water. She forked the mine in three hours; and it is my opinion, she will be equal to our most sanguine expectations, as regards our going in depth with her aid. This I always calculated on, from knowing the duty she performed anterior to her being fixed on this mine. I set to sumpmen yesterday two bargains—first, to cut down an end of the engine-shaft, cut plat at adit, divide and case down the shaft, and to widen the shaft at the bottom, for 5l. This work will take the greater part of the week; then to sink 3 fins. by eight men, at 10l. per fin., when I think they will meet with the lode, which may be done, in my opinion, altogether in about five weeks. I also set the winze, to sink from adit, by six men, at 4l. per fin. The Quarry shaft will be commenced with on Monday next, by six men. Our greatest object should be to press downwards as fast as possible, as I consider we shall not be sinking long before we meet with a better stratum of ground, which, I have reason to believe, will materially affect our lode; and while we are labouring under the expense of a steam-engine, we should get down as fast as possible; and I hope—indeed, I am sanguine—it will be for some good purpose.—March 21.

WHEAL TRESCOLL—We have now been at work five weeks; and the contractors have, amid many difficulties, driven above 100 fins. of ground; the shaft, in the eastern adit, is down nearly 7 fims.; and, unless it is near the lodes, the ground stands without timber. The smiths' sho

FOREIGN MINES.

FOREIGN MINES.

ALTEN MINES.—The following is the estimated produce for January:—

Mines. Tons ore. Per ct. Tons copper.

Raipas 78 6 4:50
United Mines 35 6 2:10
Ryper's 6 6 5 0:36
Mancur's 6 5 5 0:39
Michell's 10 6 0:60
Old Mine 17 6 1:02
Cole's.. 4 5 0:20
Powder House 2 6 0:12
New Lodes 1 9 0:09

THE CORNISH MINING COMPANY.

At a meeting of shareholders in the Wheal Fortune Consols, several alterations in the constitution of the company were agreed to. The affairs of the company are in future to be carried on in the name of the "Cornish Mining Company;" and the capital has been divided into 6500 shares, of 2L each—the full amount to be called up, and having no further liability. The scrip of the company is to be transferable, without deed; but no shareholder can hold less than five shares. The prospects of the undertaking are encouraging, as will be seen by the several reports, from which we extract the following:—

From Capt. Chypotecth, Neelyn, East Cornwall.

This set is really a very desirable one; and it is my opinion, that it is one of the best tin sets in Cornwall. It is a fine piece of ground for mining, and I never was more taken up with any sett have seen. The lode is from 4 to 5 ete wide, producing excellent saving John Hooper. We shall have a first-rate mine, and the shares are well worth a large sum at this time. Shares will be sought after in the Wheal Fortune Consols Mines beyond all other mines in Cornwall.—J. Chanouxen.

From Tomas Jullian, Eq., of Lower Porth.

The Index in Cornwall.—J. CHINOWETH.

The lode is altogether nearly 12 feet wide—four or five of which being excellent work—
some stones being nearly solid in, and is the best discovery that has been made for many
years: they also discovered another lode in the south-eastern part of the mine, and went
down on the back of the lode, and found good stones of tin; and with machinery, to which

We could attach stamps, we could return the immediately.—Thomas Jullian.

From J. Hilchins, Esq.

The situation of the sett is, what I consider, a very favourable locality. A great deal of the has been found in the neighbourhood, and several unlines are now working in its vicinity. I consider the prosecution of this mine to be a fair speculation, particularly as it can be done cheaply—all the requisite machinery, &c., having been erected. The shorts have, I understand, pumps, rods, engine, &c., all fixed and properly arranged, for the purposes for which they are intended. The present shart should be snak (say) 12 fathoms; and at that level drive a cross-cut, which will be about I fathoms long, to the lote, Xo. 1—the ground being of a favourable nature for working. The property now no the mine consists of a very good water-wheel, with rods, bobs, &c., attached, I fathoms of pumps (I believe lo-linch) in the shaft & farther quantity has since been appliedly, smiths and carpenters' shops, and a small counting-house—all of which are necessary to the working of the mine, which is worth, to the present proprietors, as it now stands, its first cost.—

We cover the fall or the content of the property of the mine of the property of the mine of the property of the mine, which is worth, to the present proprietors, as it now stands, its first cost.—

J. Hreches.

We give the following report in full, coming, as it does, from a gentleman whose opinion is deservedly respected in the mining world:

Pursuant to your directions, I have inspected your mines. The first object with me was to discover the extents or limits of the sett, and which were pointed out to me by the agents. The situations of the mines and loce is very avourable, being nearly west of the Beam Mines and the Rock Mines, from which large quantities of the have been obtained, and are now continuing to be raised. On the south is Mineral Comb Mine and the Alvigency Mine, both of considerable promise, though the latter is at present suspended. On the west there is a piece of untried ground (except some China-clay works), in which a good lode is discovered; and, if not one of your, running parallel thereto. On the north, and partly in your sett, are the Wheal Fortune lodes, from which large quantities of tin have been raised. I have described the surrounding ground as minutely, perhaps, as is necessary. I next directed my aftention to the openings on the lodes by the present company, and first observed the lode and caunter lode; and though I wish, as much as pos-

sible, to avoid using strong language, yet I samed do Justice to the present appearances without saying, few places, that I have inspector (as far as the workings have been extended), precent greater promise. The lode is about 3 feet wide, and showed good tin work nearly all the way on which it is opened—being about 6 fathoms long. This lode is the most southers owey set seen. Intersecting this, about 4 fathoms west, is the camber lode, on which very little has been done, but that little showed good tinstuff, about 3 ft. wide. We then examined the lode, No. 1, and here the shaft was not clear, as the water and rabbish had fallen in. From this shaft a rich parcel of the had been sold; portions of good work are lying about is, and the attle will pay a profit, when your stamping-mill is ready. As the character of this lode seemed less clear than the other, I got two samples well pulverised; and, by the washing thereof, my doubts specifly vanished, as I found it a good asmple of ore. I was told this lode is about 2½ feet wide. I next saw No. 2 lode, which seems about 18 inches wide—not very rich. My next view was of a lode, cut during the time I was there, to the north of all before described; and, though only one pit was suank insecen, yet a little tin was observable—the lode being full 3 feet wide. In the lobby to the wheel pit there is another lode discovered, the day before, but I could not discern any tin of value. To the north, still further, are the Wheal Fortune lodes, from which good the has been obtained, partly in this set; and I have no doubt, there are many other lodes within your set; which the limited nature of your trials has not yet explored. I observed the strata in which the lodes are found very minutely, and consider it very congenial for the production of metals—it being a aoft decomposed granife, and about a mile north of the killas, or slate, so that a speedy trial can be made. I examined the lobby to the wheel pit, and other preparations for the water-wheel, which are progressing favourably.

all works, to make returns at the earnest possure person. Annothing a very favourable sett; nevertheless, I must not conclude without saying, it will require steam-power to develope its resources.—John Paull, Mining Engineer.

EAST WHEAL FRIENDSHIP AND EAST BIRCH TOR MINING COMPANIES—THE COST-BOOK SYSTEM.

Sir.—A short time since, the "East Wheal Friendship Mining Company" published its prospectus, in extense, and therein declared, for the information of the desired proprietary, that, under the Cost-book Principle, a shareholder, who availed himself of his liberty to withdraw from the mine, could demand his portion of the value of the property and all machinery, &c., by giving notice to the secretary, or purser, to that effect. I intended at the time to have requested your exposure of this fallacy; but it passed from my mind.

Now, however, I find, by your last Number, that the "East Birch Tor Mining Company" repeats this monstrous absurdity. Surely, this is a way to prevent, rather than induce, capitalists and others to embark in mining undertakings—for who would submit to the power of a minority to rule the majority? Even worse than this would be the effect. Any individual shareholder, according to the opinion of the executives of the East Wheal Friendship and East Birch Tor Mining Companies, might compel a company to cease operations, or sell the property, that he might have his portion of everything. The principle carries absurdity on the face of it; and I need not tell yon, Sir, that it is wholly at variance with the cost-book. For the information of these wise men of the "East."—for both companies belong to that region—it may be well to state, that this simple, yet stringent, system, which enables a shareholder to determine his liability at any time, by writing off his shares, if he cannot sell them, makes him, at the same time, forfeit all sums of money he may have previously paid, and relinquish all claim to anything which might accrue to him. When a body of gentlemen determine to introduce their projec

necessarily must take time to collect authorities on different points, and to complete so useful a work.]

TUTWORK AND TRIBUTE—TO MINE ADVENTURERS.

GENTLEMEN,—I beg respectfully to call your attention to the present mode of setting the works on tutwork and tribute; and in doing so, I have two objects in view—the promotion of your interests, and the better qualification of the labourers; for, after many years' practice, I am fully persuaded the working of the old system has not proved beneficial to all parties. I am aware of the difficulty to convince a large portion of those interested in mining, that anything can be more fair or just than setting the work at a public survey; but it strikes me very forcibly, as it is now set, to be very little better that setting it at private contract; for I believe nine-tenths of the pitches and bargains to be taken by the former parties at the price first offered, which leaves no chance to other parties, but to cut them out, which is very seldom the case; for at the end of each taking, the former party considers this place as much their own. as if their term had not expired. This impression makes them rely entirely on the agent's price, and prevents them from seeing any other place than that which they so wrongly call their own. And, in case their previous price proves inadequate, they sexpect the deficiency to be made up in the next. This produces much evil, as it tends to foster idleness and inefficiency, and in no way tends to encourage the more willing and industrious. In my opinion, every man that attends a mine setting should be on the same footing as those who attend a public auction—having the benefit of a fair competition for the work offered; but, under 'the present system, not one in fifty has anything like a fair chance for the work set at a mine survey.

The remedy I propose, is for the setter to offer, at first, only a certain portion of the price of each pitch and bargain, and advance, if necessary, to the agent's price. Under this system, he agents will find

MENDIP HILLS MINE.

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MENDIP HILLS MINE.

SIR.—A correspondent, under the assumed signature of "F," has, in your paper of to-day, addressed the shareholders in the Mendip Hills filmes, "to remove," as he says, the erroneous impressions," likely to be produced by the "false and mischlevous letter "I had the honour of addressing to them through your columns of the 4th instance.

The vilgar abuse scattered throughout this letter of "F." it is not my intention to notice —— shall treat it with the contempt if deserves. But, Sir, while casting on me repeated.

—I shall treat it with the contempt if deserves. But, Sir, while casting on me repeated in the contempt of the strength of the stre

chassed up by Mr. Stainsby and others, at prices varying from 11. to 21.10s. each, the majority being at a much less prices than the latter—say an average of 21., or 2000. for the whole. By an algoritous process of Finebury-square, these 1000 shares were manufactured into 5000, and offered and sold to the public at 11. each, or 50001.—balance in favour of Mesars Stainsby and Go., 30001. Sir, I am serry, to a correspondent of the inconsulty of "F.," to use a barsh terms, but his institution (see he deals not in directerms), that the public were not solicited to take these shares, is fulse. I was myself earnestly solicited to buy, and most extraordinary representations were made as to the value of the mines, whereas they have proved worthless; and the valuable property we now have in the slag department, has been obtained by the present company itself. I would further add, I was given to understand when I suberthed for my shares, that the degree I made, of the sum of 121. having been inserted in the dost-sheet for the travelling expenses of a director, who stayed one hour at the mines, I have reason to believe a strictly true; and, on examination of the cost-sheets, I doubt not the shareholders will find it is not a solitary item for the same, or other purposes; and that the shareholders from Mr. Stainsby, from time to time, to charge such and such aums in the cost-sheets for the travelling expenses. This is somewhat of a contradiction to the inference that "F." would have us draw in the second paragraph of his letter, wherein he says—"The directors come from a considerable distance, and incur (to tempetwee) considerable expense;" but, as I said before, the cost-sheets will be the test of truth.

ST JOHN DET DEV NOVEMBER. up by Mr. Stainsby and others, at prices varying from 1s. to 2s. 10s. each, the ma-being at a much less price than the latter—say an average of 2s., or 2000s. for the

London, March 19.

S.T. JOHN DEL REY MINING COMPANY.

S.T. Having seen in your Journal some communications, stating that the negroes belonging to this company, in Brazil, were harshly treated, overworked, and on the point of revoil, I have made it my business to go to the office of the company, and ascertain what foundation there was for these statements; and the following is the result of my inquiry:—The secretary showed me the last letter received from the superintendent, dated Morro Vellio, 28th Dec. last, from which I extracted the following passage:

"Treatment of Negroez.—I most cordially concur in the board's humane and generous wishes as to the treatment of the blacks; and I can assure them, that the various measures already adopted since my arrival here to protect them from insult—to encourage cleanliness and promote their health, by the use of the tepth bath—to increase their comforts, by the money carned for overtime work—while, at the same time, every precaution is taken to prevent the extra labour injuring their health—have all contributed to render them as contented and happy as men can be whose lot it is to carn their bread by the sweat of their break.

tion is taken to prevent the extra muons any analysis of the seventh of the mass contented and happy as men can be whose lot it is to earn their bread by the sweat of their brow.

"On the subject of stimulants to good conduct, the board will see, by my diarry, of yesterday's date, that I have already adopted their suggestion of offering rewards to a faw of the mest description, Clothes, of a superior description, to be worn every Sunday, will, it is thought, produce a more permanent impression than money.—The boys placed for instruction under the English mechanics, are treated by them with kindness."

Extract from the superintentent's diarry, dated Morro Velho, 27th Dec., 1847:—

"From among the blacks who have shown themselves capable of applying the places of Englishmen, or who have otherwise most distinguished themselves by their intelligence and general good conduct, the following four have been selected to receive, as a reward, a suit of clothes each—to consist of a blue jacket, with metal buttons, and two rod stripes see the arm, a white valuetoes, and white trovers, with a red binding down the seem, to be worn only on Sundays—viz. Isodoro, smith; Pantallao, stamps; Pequeno Capitao, hauling engine; Marcianno Taquaril, captain of stopes. The tailor is ordered to have the four aults of clothes put in hand immediately, so that they may be worn at the revisita next Sunday."

the four suits of clothes put in hand immediately, so that they may be word as the vertica next Sunday."

As the letter from the superintendent, above quoted, appeared to be a reply to a letter from the board of directors to that gentleman, I requested permission to see what the board had written on the subject, which was shown to me, and the following is a copy:

Extract from the board's letter to Mr. Keogh, the superintendent, dated London, 4th

Extract from the board's letter to Mr. Keogh, the superintendent, dated London, 4th October, 1847:—
"Negroes.—The encouragement given to these men to work overtime, under proper limit, and the placing the boys under the mechanics to learn their art, are measures entirely satisfactory to the board. It is to be hoped, that the English mechanics, under whom they are placed, will take an interest in instructing them, and treat them like follow-creatures, who deserve all the more kindness at their hands, from the unfortunate position in which they are placed. The board would feel greatly disappointed, if any reductance were shown in this respect by the English mechanics, who certainly can have no reason to be jealous of the poor negroes. Every right-minded person must feel an interest in lending them a helping hand to improve their condition; and this can be done in no way more usefully than in training their children to a knowledge of the useful arts. The board observe what you say, on the suggestion of Capt. Treloar, that, at the end of five years, those negroes who have been acting as captains of borers, shall have their freedom granted to them. It is, as you remark, a matter requiring much consideration, inasmuch as a step once taken in that direction cannot be recalled, and it is not easy to foresee consequences in such cases. The first duty of the company is to see that their negroes are so treated, that, as te their actual comfort, it is, in truth, of only nominal importance to them whether they are free or not. This is the main point, and the board trust that this end will be attained by the measures now in progress for their comfort. The prespect of emancipation will have its greatest use, probably, in the inducement it will hold out to good conduct. In addition to this, something may be done in the way of rowards once a year to deserving negroes. Christman-day might be selected for this purpose: as that day will be returning soon after the present will reach your hands, you may, if you see if the nake, you er, 1847:— er, The en

may, if you see it, make a beginning in this way, in the same manner as the English Agricultural Societies give premiums annually to the most deserving labourers in their district."

The next document which I saw was a statement from a gentleman now in London, recently arrived from Brazil, who visited Morro Velho the latter end of September last, from which the following is an extract.—"In the latter end of September last, from which the following is an extract.—"In the latter end of September last, from which the following is an extract.—"In the latter end of September last, from which the following is an extract.—"In the latter end of September last, from which latter last of the stable latter end of September last, it is a the mining establishment of Morro Velho, and remained there the greatest part of three days. I met Mr. Keogh, and Capt. Treloar, whom I have known many years. I saw many of the people at divisional musters, and also walking about on Sunday. They looked well, and in each of the establishment, or, if I chose to go alone, and amuse myself by overlooking the establishment, I could do so; now, had there been any tendency to mutiny in any branch of the establishment, or, if I chose to go alone, and amuse myself by overlooking the establishment, it is would not have been permitted. Mr. Koogh considered I must be tired, and offered me a choice of rooms, either free of the people, or where they could come and go when they liked—I preferred the last. I spoke with many of the slaves of their work, their masters, their treatment—they were satisfied, they were happy; and when asked by a gentleman present, should they like to return to their former employer? they said, not while Morro Velho existed, as 'they carned morrow and made sum and free by a company than any individual could afford to do."

Amongst the English miners, those whom I knew personally, were working well, a sure sign of their being satisfied. I came up from the bottoms by the way of the pumping engine—I was then complete a few days onl

noyance of the people, and then had to be pumped up again—this improvement I was told was a recent one.

I regreited to see the old adit level suspended, as it will some day be useful by lessening the lift of water, I think 13 fms., and perhaps cross-cutting might show something more. I saw also put to work a model of a cradle for the security of the kibbles; as a model, it seems highly adapted for a mine like Morro Velho. In brief, I saw nothing to find fault with in any department. Many of my old people were boring in the stopes, and the mine was fairly worked; each stope was well defined, and no holes picked in the mine. That an overseer was promised a certain amount extra—in Brazil this is of usual occurrence, in companies as well as individuals. The last Miner's Journal speaks of the same thing as regards a level bringing up for the Gongo Company.

The foregoing extracts proved to me how very groundless were the statements which had been admitted into your Journal. I was further permitted to see at the office an extract from that part of the instructions of the board's instructions to Mr. Keogh, on his leaving London for Brazil last year. Extract from the board's instructions to Mr. Keogh, relative to the treatment of negroes, dated London, March 19, 1847:—

"Onnected with the consideration of labour, necessarily comes the important and in-

had been admitted into your Journal. I was further permitted to see at the office an extract from that part of the instructions of the board given to Mr. Keogh, on his leaving London for Brazil last year. Extract from the board's instructions to Mr. Keogh, relative to the treatment of negroes, dated London, March 19, 1847.—

"Gonnected with the consideration of labour, necessarily comes the important and interesting question of the treatment of the negro force."

"From the statements before the board, contained in the superintendent's advices, they have no reason to believe that the negroes are, in any respect, overworked. There does not seem the least ground for such an apprehension; the question has been investigated on several occasions, and the result completely, as the board believe, establishes this point; and considering that, as slaves they would be obliged to submit to any amount of labour that might be forced upon them, it is very satisfactory that the beard are realised to feel conscientionsly at ease on this point; but, in addition to this, the board are very desirous to feel assured that everything practicable is done for their reasonable comfortine cultivation of little gardens, the keeping of pigs and poultry, and whatever else can tend to their spending their leisure hours in an innocent and rational manner, ought to be encouraged amongst them. Any rewards for good conduct, which should stimulate the exercise of the domestic virtues, would be well becaused. They ought to be encouraged to feel that those whom they serve are kind masters, and protectors to them; it hat they take a real interest in their welfare; it that while the faithful addilgent discharge of their daily labour is punctually required of them, they may rely, in return, on every reasonable should seen of kindness and goodwill, arising from the conviction that, although the colour of their skin be different from ours, they are results ment of the Rapikh miners who superintend them, to treat them with harshness or severity, should b

ear to me to be admitted into your paper tould have taken the trouble, as I have don rithout mufficiers, to go to the of s. I am a proprieto on my card.—A Pa

CARADON CONSOLS MINE

CARADON CONSOLS MINE.

Sira,—Having seen a letter by "Sextua," in a recent Number of your Journal, respecting the extraordinary delay which has taken place in the settlement of the affairs belonging to Caradon Consols Mining Company, and read the purser's unsatisfactory reply, I begt to inquire of you, or of any of your correspondents, what steps can be taken to compel an early settlement of accounts, and a division of the assets? It would seem, from the purser's statement, that many of the purchases have not yet paid for the makerials which they bought at the sale so long ago! I would ask, is he not liable to the adventurers for the proceeds of that sale, if through inadvertence, or otherwise, he allow the materials to be removed, without either present payment, or security for payment at a stipulated time? If, as may be the case, the parties whe have not paid are personal triends of the purser, or of his South Caradon colleagues, it will be easily understood why payment has not been duly enforced. At a time like the present, when every spaces of security is so depressed, it is most unjust to delay the distribution among the shareholders of the balance due, especially when it is considered how severely many of them have suffered by the speculation, from the enormous promiums they were induced to pay. Hoping that, by a timely settlement, the unpleasant alternative of legal proceedings will be averted,—Scrutzon: March 23.

TAVY CONSOLS MINE.

Although I imagine I am entitled to reply to the letter of a "Plymonth Shareholder," in last week's Journal, I must, of course, bow to your Notice to Correspondents, that you will insert no more communications in reference to this concern in your paper; and I, therefore, now only beg the favour of your permitting me, through your columns, to repeat, that my letter of the 7th inst., which appeared in your Journal of the 11th inst., as to the captain of this mine, was not written from any personal motive; and to add, that I am not, never have been, and never intend to be, a mining agent; consequently, the remarks of such "Plymouth Shareholder" are not applicable to me.

March 22.

TAVY CONSULS MINE

March 22.

TAVY CONSOLS MINE.

Sin,—Many conflicting statements having been sent for publication in your Journal respecting this mine—some through malice, and others to raise the value of shares—the managing committee have thought proper, in order to give the fullest information to distant shareholders, to have the mine inspected and reported on by Capt. Lean, of Holmbush, who is altogether unconnected with the concern, and who never was on the ground before. He inspected it on Wednesday lask, in the absence of the captain, and has sent in a full report, which we should be obliged by your inserting in your next Number. It is but fair to state, that at the time Capt. Lean inspected the mine it was looking poorer, both in the bottom of the shaft, and in the 36 fm. end, than it had for some months. It seems, from the best information, that lodges of the same character as the Tay lodes are liable to variations in the shallow levels—sometimes being very rich, and at other times much corrupted with mundle—but the size of the lode has always been retained. After Capt. Lean's report of the 16th first., please insert Capt. Goss's report of yesterday, 21st, which shows a great improvement in the week. "The proof of the pudding is in the eating;" and if this mine was so poor as some would instinate, how comes it that she has, in so short at time, returned 3000. of ore, and paid all her expenses, in the last six months. The committee do not desire to puff the concern, but think this fact, in a mine but little more than two years at work, is a sufficient answer.

Plymouth, March 22.

Tany Consols, March 15.—Agreeably with your request, and pursuant to my instruc-

more than two years at work, is a sufficient answer.

Plymouth, March 23.

Tany Consols, March 15.—Agreeably with your request, and pursuant to my instructions, I have this day carefully and minutely surveyed the above mine, and beg to hand you my report thereon:

1. The adit level is extended soveral fathoms west of the engine-shaft, through a lode varying in size from 2 to 4 ft. wide, underlying south 19 in. in a fathom, and is composed of gossan, prian, mundic, and stones of copper ore, of good quality (considering the depth from surface, I call it a promising lode). From 20 to 30 fms. west of the engine-shaft, there is a cross-course, 2 ft. wide, dipping east 2 ft. in a fm., composed of flookan and spar, in which has been found stones of lead ores. It has been said by some, and thought by others, that this north and south course is a lead lode; I should not call it such myself, but a regular flookan cross-course, at times producing stones, or parial bunches, of spar; it is true, a little lead has been found in it when near the east and west course ; but none, or very little, has been seen since the levels have been extended. Some short distance from where the function was formed, I closely examined the ends, but could not find a particle; but should there be found stones of lead in it, it is of no rare occurrence—for in different cross-courses have been found, not only lead, but silver, copper, tin, and almost every kind of mineral: certainly, this cross-course is a very great advantage in extending your levels southward, to intersect a side lode said to exist in that direction: it is ilkewise pleasing to know that some of the most productive mines we have abound, more or less, with cross-course, and of white fine-grain mundie, peach, and rich yellow copper ore, coated with black. There has been a great many fathons of ground stoped away from the back and bottom of this level, for copper ore; and, at the present dime, I think there are 3 or 4 pitches, wrought in a tribute, from 7a. It is in Iv. All tatwork

white fine-grain mundie, peach, and rich yellow copper ore, coated will black. There has been a great many fathoms of ground stoped away from the back and bottom of this level, for copper ore; and, at the present time, I think there are 3 or 4 pitches, wrought in a tribute, from 7s to 11s. in 1º. All tatwork has been suspended in this level for some time past.

3. The 24 fm. level is driven about 18 fms. west from the engine-shaft, through a lode, from 5 to 7 ft. wide, composed of spar, mundie, prian, and, in many places, stones of copper ore of good quality were found. Little or ne ground has been taken away from the back or bottom of this level; you will perceive the lode in this level is larger, but less productive, than in the level above—a circumstance that one could wish otherwise; but in every mine lodes are found to be changeable. This level is extended about 7 ft. west of the cross-course, where the lode is 2 ft. wide, composed of hard spar, sported with mundic, with two well-defined walls and soft killas strata on each side; the cross-course has been opened on about 3 fms.; it is composed of shockan, without mineral.

4. The 35 fm. level is driven 3 fms., west of the engine-shaft, through a lode 8 ft. wide; the present end presents a lode of that size—5 ft. of which, on the north side, is nearly all mundic, with spots of spar, peach, and copper ore, but none to save—the remaining 3 ft. is composed of killas, bespangied with spar; this level is driving by size men at 8.4 per fm.; about midway, between the shaft and this end, in the bottom of the level, there is a bunch of ore 8 ft. long, and 5 ft. wide, all but solid copper ore, of good quality; that part of the lode, west of the ore, is principally munder; to the east of 1 are munder, soft a fms. from the shaft; the lode in the present end is 5 ft. wide; the north, or flex and spar, and is suspended for the present. It is the boundary of another lord's land.)

5 fm. level; the lode in the bottom of which is at present in a very disordered state, and s

BEDFORD UNITED MINING COMPANY.

cial general meeting of shareholders was held at the office of the com-breadneedle-street, on Thursday, the 23d inst. pany, Three

able indulgence and encouragement. Any attempt on the part of the English miners who superintent them, to treat them with harshness or severity, should be instantly checked. The feeling inculcated throughout the establishment towards the negroes should be one of kindness and goodwill, arising from the conviction that, although the clour of their skin be different from ours, they are creatures of the same Almighty Oreator, which is has pleased Providence to permit them to be placed.

"The board will be glad to know specially what is doing with the training of the hildren of the negroes; and they will thank you to sond them a list of the names of all the capitalities, with their ages, and the employments to which such of them, as are competent to any employment, are placed. The board trust that the training of them to be antilist, convening the meeting, was read; when it was resolved, that the appoint of the negative properties of the control of the competition of the control of the control of the control of the competition of the control of

CARN BREA MINING COMPANY.

eral meeting of proprietors was held street, on Friday, the 24th instant. ers was held at the offices of the e The ann pany, New Broad

The annual general meeting of proprietors was held at the offices of the company, New Broad-street, on Friday, the 24th instant.

G. M. Hannson, Esq. in the chair.

The notice convening the meeting having been read, the Chairstan proceeded to state briefly the position of the company, congratulating the share holders on the results of the past 12 months and the prospects before them, which would be better seen by reference to the report of Capt. Lyle, the manager, and the statement of accounts, which would be submitted to the meeting.

The report of the directors was then read—the substance of which may be conveyed briefly as congratulatory on the prosperous state of the mine, at this their 18th annual meeting, and referring to the amount of dividends paid the ring the past 12 months, amounting to 20,0004. Gut for which, however, it may be observed, that 2000l. was anticipated in the previous annual statement. The produce of the mines in 1847, as compared with the preceding year, with the produce of the mines in 1847, as compared with the preceding year, with the preceding year, and uning the past 12 months, had amounted to 76,9404. Ta: tio, 11,2501, arsenic, 383l, 15s. 10d.; and old stores, 17l, 10s. 6d. It was also noted in the report, that a railway had been laid down at an expenditure of 2000l, besides other surface works. With respect to the comparative value of the produce of the copper ores raised from the mine, it appeared, that the quality was found to have improved 45 per cent. and 85 per cent. in value; the average price per ton had, in like manner, advanced 27 per cent.—while, by assay, it would appear, that the ores were 25 per cent. over and above those of the preceding year; and the yield of metal was 80 per cent. increase—at the same time, I was to be observed, that the black tin had failen short 3 per cent. in quantity, and 7 per cent. in price, per ton of ore.

The report adverts to the reduction in the prices of copper and tin, which have naturally affected the roturns in the way of dividends

rated during the past year; but, on the contrary, I feel much pleasure in being enablet to state, that the lodes generally continue productive, and that our stock of ore ground has somewhat increased.

According to estimate based on the weekly reports (which I take to be no unfair criterion), it appears that our operations have laid open about 150,000. worth of ore, from which, if we deduct the amount of the 12 months' sale, 88, 1901, will be shown an excess of about 61,000. We may, therefore, reasonably infer, that with the great force employed on tutwork, our chances of future discovery are fully equal to those of the paried we review; and that we may confidently expect to gake, netwithstanding the low price of mine produce, as much profit for the ensuing year as your present balance-sheet exhibits. And as it may not be uninteresting to particularise the different parts, I would remark, that on Huten's lode there are recent improvements in the 48, 60, and 70 fathom levels, in whole ground, parallel with the best parts of Harrison's lode, in the 25 fm. level wear, we have lately discovered a course of ore, worth 40f, per fm. On Vigur's lode, in the 18 and 36 fm. levels, the prospects have improved during the last month, and are more than usually cheering. In the western part, there is valuable ore ground in the adit, 18, 26, and 36 fm. levels. East of the Monument shaft, we have whole ground, about 40 fathoms in length, from the 26 fm. level to the adit, backs and bottoms remaining untouched, and worth from 20, 16 800, per fathom. On the Druid south lode, in the 17 fm. level, the lode is worth 254, per fm. By extending a cross-cut north from a point west of the old engine-shaft towards Wheal Fanny, and expected to unwater it about 15 fms. below the old workings, where we have easier the worth and advancing towards the western boundary, where we have a good course of this in the bottom of the 165 fm. level. The 125 fm. level is driving west of the old engine-shaft towards Wheal Fanny, and expected to unwater it

A conversation, rather than discussion, ensued—the results of which were deemed highly satisfactory by the meeting—in the course of which, Mr. Thos. Hill moved, that the meetings should be held once in every two months. The resolution was seconded by Mr. Grisler, but fell to the ground. The thanks of the meeting having been given to the chairman and directors, the meeting adjourned.

GREAT ROUGH TOR CONSOLS MINING COMPANY. A general meeting of shareholders was held at the offices of the company, Threadneedle-street, City, on Thursday, the 28d inst.

WILLIAM A. THOMAS, Esq., in the chair.

The following report, from J. H. Hitchins, Esq., and Capt. Jeel Hitchins, was and adopted:—

The following report, from J. H. Hitchins, Eaq., and Capt. Jeel Hitchins, was read and adopted:—

Great Roseph Tor Consols, March 21.—In compliance with your wish, the few following, and, it is hoped, sufficiently explanatory and intelligible, particulars, as in reference to the progress and prospects of this adventure, are submitted. It would have been by far more pleasurable on our part, and satisfactory to the company, to have had to report upon the progress of operations of a different character to those we are at present, and have been chiefly, engaged in, since the commencement of the concern. For instance, had it been the case (and, certainly, the more satisfactory position of the company) that, in both our engine-shafts, the cutting of the main lode had been effected, our reports would be causable of more direct bearing and importance, as in regard to progress, respects, and

de the progress of operations of a different character to those we are at present, and have been chiefly, engaged in, since the commencement of the concern. For instance, had it to been the case (and, certainly, the more satisfactory position of the company) that, in both are apable of more direct bearing and importance, as in regard to progress, prospects, and results, for the reason that we should them be driving exploratory levels on the course of the lode, with a view to the successful development thereof. As it is, however, we shall to make to speak as to the progress and prospects, as in respect of the sinking of the company's two sump-shafts and the branches, and the ground interacted and snuk through in the course of the carrying out of such important operations, up to the sinking of the company's two sump-shafts and the branches, and the ground interacted and snuk through in the course of the carrying out of such important operations, up to the present time, with all possible force and dispatch, being made complete, in all respects, with pitwork, to the process of the carrying out of such important operations, up to the present time, with all possible force and dispatch, being made complete, in all respects, with pitwork, to the process of the carrying out to be enabled to state, that it has passed through several branches, of from 2 to 8 in. in with, carrying, for the most part, an admixture of beautiful yellow copper ore, mundic, and spar—the former ingredient, in some of these branches, having the preponderance in the fact, that these branches are, according to their declination, clearly upsitods from the shall be a similar to the successful and promising character; it being, as before stated in our former communications, in fact, consider ourselves justified, in very strong expectations of good and lasting results at such points of conjunction. We have, moreover, no hesitation in saying, that the fact—of proportion of copper ore—having on the will be proportion of copper ore—having on the will be p

of Mortis's engine-shaft in the western part of the mine. This shaft is now down to a depth of 24 ms. 3 ft. 6 in below surface; and at its present deepest point reached, if may be said to have passed through, for the whole way in sinking, a very congenial and promising channel of skilling, similar, in respect of its composition and mechanical structure, to that described as prevailing up to the present time in the easters part of the mine in Thomas's engine-shaft; it has now been sinking for the hast \$4 fms. (disconsily a compared with the folde) through gossan, spar, prian, and peach, the footwall of which has been just reached—sluggetter, this folde may most certainly be considered as being sink. It only repulsins to be remarked, in reference to the progress and prospector of these impercant esperations, that they are being prosecuted with all the possible sore and dispatch that circulations are sufficiently of the considered to being proceed that circulations are sufficiently of the considered to being proceed to the trials in hand, a full realisation of all the results intimated and promised by all parties will be ensured.

Fearing, however, that the par erese of the company's operations, notwithstanding the explanations endeavoured to be forwarded, may not be considered to have been satisfactory, we would preter—in fact, should deem it a reflect from too much responsibility—that some other raining authority, of competent judgment in such matters, such as, upon proper strice, might be selected, should be called in for feather the correctues of our explanations, and the effectiveness of our proceedings. In continuation of such imposant considerations, we carmot, we regret to say, at present calendate upon any greater degree.

of sinking our capine-shafts, without material alteration in ground, and elementances of underground water, than 7 max a month; and, therefore, the cutting of the lock at the depth proposed, will be deferred to a longer period than was first intimated. If is to be accollected, that each

ir subject to.

The whole of such accomplishments have been in a part of the country always known here to to have been inaccessible by anything like a regular road, or approach from any he main roads of the country; and, therefore, the absolute necessity of the consideration outlay that the proprietary have been at, in the formation of such roads as are to be seen conjecting their property with the main thoroughfares of the country, admits of direct and cheapest possible transit of required supplies of materials for their ks, and by which also their copper ores will, whenever required, be taken to the assor shiphent, at the cheapest possible trate. We hope that the few foregoing imperity and hagily penned remarks, will serve to give the adventurers something like an rezimate of the great importance of their works, prospects, and probable results.

Leall of \$L\$, per 512th share was made.

MENDIP HILLS MINING COMPANY.

A special general meeting of shareholders was held at the offices, Finsbury-square, on Friday, the 24th instant.

J. BARWELL, Esq., in the chair.

Square, on Friday, the 24th instant.

J. Barwell, Esq., in the chair.

The notice convening the meeting having been read, the following report of the directors was submitted to the meeting, after some prefatory observations by the chairman.

REFORT.

The object of the present meeting. as specified in the notice convening the same, is to receive a statement of accounts since the last meeting, and a report from the directors and agents. The committee have been actively engaged for some months in bringing into a state of effectent and profitable working the large deposits of slags which became the preporty of this company by the grant of land from Lord Clifdon, as also in developing and oringing into working condition all available slag ground belonging to this company. The works, which were found necessary to render smelting operations practicable and prefitable, have occupied considerable time in their construction, and they have involved the outlay of some capital; but the proprietors will be satisfied from the local agent's report, and the assurances of the committee and Mr. Johnson, that such time and capital have been judiciously, economically, and successfully expended. Since the last meeting a tram-road, 669 yards in extent, has been constructed, an engine-house has been built, and an engine with fan has been purchased and erected, three furnaces have been built, and an engine with fan has been purchased and erected, three furnaces have been built, and an engine with fan has been purchased and erected, an engine-house has been built, and an engine with fan has been purchased and erected, three furnaces have been built, and an engine with fan has been purchased and erected, three furnaces have been built, washing-floors made, valla for smelting-house have been erected and covered in, and 180 feet of flues, with two deposit chambers, constructed, and several large and rich water, launders have been formed, and extended upwards of 6000 feet, or i miles in length. The several members of the committee have indi

The financial statement of the affairs of the company, of which the following an abstract, was then laid before the meeting:—

Abstract of Accou

Balance £ 256 5 8 £2364 18 The following report of the agent (F. C. Harpur) was then read :-

of the mine.

The Chairman expressed his regret that the underground operations had not been attended with the success anticipated. Mr. Johnson had carefully inspected the property of the company, and entertained sanguine expectations, as to the results which might be contemplated from the smelting department. At the same time, he must say, that a further call would be necessary to carry out the objects of the company, with those beneficial results which they had a right to anticipate. He could only add that, holding 500 shares in the undertaking, he was most earnest and anxious that the affairs of the company should be prosecuted with energy; at the same time, he should be happy to most any question which might be submitted by any gentlerian then present.

happy to most any question which might be submitted by any gentlessan then present.

Mr. P. N. Johnson entered into an explanation, as to the nature of the workings, and the stratification of the mine, from which we gathered that the country is limestone, the lead making in bunches. At present only four men were employed underground, which was essentially necessary to observe the clauses in the lease.

The Rev. Mr. Mason wished to ask a question, as regards the abandonment of the mine, previous to the report being reseived, and proceeded to enter into several matters appertaining to the slag or smelting department, which he considered was that to which the attention of the company was to be directed, and would be glad to learn what was the value of the slag, or the returns which might be anticipated.

Mr. P. N. Johnson, in explanation, stated that the slag varied in thickness or depth, in some instances, being 11 ft.; and while in some instances only 1 tun might be obtained out of 40 of rubbish or attle, he might say that the average was 1 in 6, producing, say, 22 per cent, which yielded from the furnace of per cent, of lead; the assay from the slag was 14 to 50 per cent, averaging 232 per cent, as before stated—the lead thus produced giving 38 3-10ths of pure lead. Calculations had been made as to the returns, and which might be thus taken roughly: with the water-power which they had he would take two furnaces, which would reduce 14 cwts each in the 24 hours; but assuming 1 ton of lead as worth 181, this would give 26 tons per month, yielding a net profit of 25 to 30 per cent, and that arising from the slag slone. He had recommended that the slag should be worked opsness; or se a quarry, and not by the old system of delving and forming a cone reversed. Six pits or openings had been made to prove the depth and extent of the slag.

Mr. Educorbe wished to know whether, supposing that the openutions of the company were confined to the melting department, there was any necessaly for five directors; he considered tw

the enablishment.

If: James considered that the expenses should be kept down, more especially if the executions of the company were confined to smalling, and that he did not consider five rectors secondary. begged to observe, that although he held a large interest in the un-uld be ready to retire—for residing, as he did, 140 miles from the spot

where they were then assembled; it was betther phasurable, or profitable, to perform the distinst imposed on him, although he felt, in so doing, he was not only acting for the benefit of the proprietors generally, but protecting its own inferrest.

A conversation then ensued as to the proopering its own inferrest.

A conversation then ensued as to the proopering its own inferrest.

The new proprietors of the benefit of the adventurers.

The Rev. Mr. Mason would suggest, that meetings hencefurth the held every three months, which was, in the first instance, objected to by the chairman, but subsequently assented to, on the part of the directors, through Mr. Stainsby.

Mr. Jonasow wished the meeting to express an ophison, so us to warrant the directors, should they deem fit, to abandon or dispose of the inine —whereupon Mr. Goaziso, the solicitor of the company, stated that the deed gave full power to the directors of each at they might consider prudent, subject, however, to their acts being confirmed at a special general meeting of the proprietors. It appeared, that the total amount of arrears of calls did not exceed 3001; and, in each case, chrountances had arisen, which explained the cause of dealcaston. It was then agreed upon, that a further call of 3s. per share should be made, which was agreed to unanimously.

In answer to a question past to Mr. Jonason, as to the opinion he entertained of the adventure, and the prospect, if any, of any further call, that gentleman expressed his opinion that. If the proposed call was not ample, he should consider the concern as a failure. This, however, was far from his opinion—having full confidence in the undertaking,—Mr. Jaass was well pleased with the information afforded by the directors, and their able adjunct, Mr. Johnson. He would content himself with moving a vote of thanks to the batter gentleman, whose services he, for one, was most ready to recognise. The motion having been carried, the Charasan, in returning thanks, referred to the several letters which had app

WHEAL MARY ANN MINING COMPANY.

WHEAL MARY ANN MINING COMPANY.

At a general meeting of shareholders, held at the White Hart Inn, on Wednesday, the 22d inst.,—Capt. Peter Clymo, jun., in the chair,—the foregoing

nesday, the 22d inst.,—Capt. Peter Clymo's, jun., in the chair,—the foregoing accounts for Dec. and Jan., showing balance of 593l. 2s. 7d., having been examined, were allowed and passed, and carried to the debit of the next account.—It was resolved, that Capt. Peter Clymo's salary, as purser and manager of the mine, be advanced from 3 to 5 guineas per month, from the end of Jan. last.

The accounts showed the expenses for the two months as, 770l. 6s. 2d.; the proceeds, as 734l. 6s. 11d.—leaving balance against the mine of 593l. 2s. 7d.—The sales during the two months had been—one parcel of lead ores, sold to B. Sommers, Esq. 39 tons 18 cwts. 3 qrs., at 16l. 15s., 668l. 4s.; and one to J. T. Treffry, Esq., 36 tons I cwt. 3 qrs., at 16l. 15s., 63l. 2. 11d.—73ll. 6s. 11d.

The following report, from Cart. P. Clymo, was read to the meeting.

The following report, from Capt. P. Clymo, was read to the meeting:-

WHEAL TRELAWNY MINING COMPANY.

general meeting of shareholders was held at the Fountain Inn, Liskeard on Tuesday, the 21st inst.—Capt. JOHN BRYANT in the chair.

The accounts for November and December, showing an ultimate balance of 663/. 19s. 10d., having been allowed and passed, and carried to the credit of next account, it was resolved:—" That Mr. W. West, having proposed to bring and account, it was resolved :— "That Mr. W. West, having proposed to bring and erect a steam whim-engine on Wheal Trelawny Mine, at his own expense, to draw all the attle and ores to the surface, and provide all labour, enginemen, coals, hemp, and every other material necessary to keep the said engine at work, and in proper repair, from the 72 fm. level and all levels above, commencing from the boundary south of Wheal Trehame Mine to the northern boundary of Wheal Mary Ann Mine, for the sum of 28t, per calendar month—and he having also proposed and agreed, that such engine shall be of sufficient power to enable the company to sink 200 fms. in depth—and, also, to be paid an increase of 2t, per calendar month for every 10 fms. under the 72 fm. level, it is resolved, that Mr. West's offer be accepted."

The accounts showed the general expenses, for the two months, as 2037t. 1s. 9d.

an increase of 2l. per calendar month for every 10 fms. under the 72 fm. level, it is resolved, that Mr. West's offer be accepted."

The accounts showed the general expenses, for the two months, as 2037l. 1s. 9d., and the proceeds, 2285l. 4s. 1d.—balance of profit, 248l. 2s. 4d.; in hand from end of Oct., 599l. 19s. 8d.—847l. 18s.—from which is deducted surgeon's charges for the year, 47l 11s. 4d.; Mr. West, for erecting Trelawny's steam-engine, &c., 58l. 17s. 10d.; bankers, for interest and commission, 82l. 4s. 10d.—The sales had been: Jan. 8—one parcel of lead ores, sold to Messra. Walker, Parker, and Co., 71 tons, at 14l. 14s. per ton, 1048l. 14s.: Feb. 8—ditto, to Messra. Sins, Willyame, Nevill, and Co., 83 tons 7 cwts. 1 qr., at 14l. 10s., 1298l. 10s. 1d.; and from Wheal Trelame adventurers, for the use of Wheal Trelawny engine, and water for dressing the ores, two months, to 17th Feb., at 16s. 10d., 83l.

The following report, from Capt. John Bryant, was read to the meeting:—

Wheal Trelawny Mine, March 21.—The 62 fm. level cross-cut, east of Phillips's shaft, is driven 8 fms., and we are now daily expecting to meet with the lode. The ground is favourable for driving, and, unless the lode makes a much greater underlie than it did from the 42 to the 52, we shall see it this week. The lode in the 52 fm. level north is 2 ft. wide, composed of can, mundic, and lead, worth 12l. per fm. The ground in this end has been for some fms., and is at present, rather hard; and, there being a quantity of water issuing out of the lode, makes it troublesome for driving. The lode in the southend, in this level, is 3 ft. wide, chiefly composed of can, with quarts and lead, worth 10l. per fm.; the stopes in the back of this level are producing a moderate quantity of ore. The lode in the 42 fm. level north is worth 10l. per fm.; the stopes in the back of this level are producing a moderate quantity of ore. The hand boundary in three weeks, as we have not more than 8 fms. to drive; the stopes in the back of this level are produ

HARROWDARROW OLD MINE.—A general meeting was held at the offices, George-street, Plymouth, on the 14th March, when the proceedings of the special meeting, held on the 12th February, having been confirmed and adopted, the proceedings of the committee during the past quarter were also confirmed, the members re-appointed, and the thanks of the meeting given them for their valuable services: the account of the sale of the materials was entered in the cost-book, amounting to 14561. 13s. 1d.; and the purser's accounts, showing a balance in his favour of 13t. 7s. 4d., having been examined, were passed and allowed. A call of 11. per share was made, to discharge the liabilities, which now amount to about 7001.

[From the Plymouth Journal.]

WHEAL FRANCO.—In the 47 fm. level, west of the cross-course, the lode is still disordered and poor; in the 47 fm. level, east of that cross-course, the lode is becoming more regular, and is greatly improved in size, and the quantity of ore is greater. In the 62 fm. level the capels of the lode are not so hard as they were in the 47; it is impossible to say low long it may be before the lode is seen in this level—but from appearance it will not be long. The quantity of ore sampled on Tuesday was fully equal to that expected.

WHEAL CALSTOCK.—In diving towards the expected Junction, another lode, about 3 ft. wide, producing a very little ore, but of promising appearance, has been cut.

EXMOOR ELIEA.—The sinking under the 12 fm. level is, we understand, to be immediately commenced.

And the state of t

SILVER VALLEY.—The men are all discharged from this mine; the engine is expected to be stopped in a few days, but it is intended to give the silver lodes at Wheal Sisters further trial.

FLINGUTH WHEAL YEOLAND EAST.—The adit level is being cleared up, and an old shaft on its course opened—this is progressing favourably. It appears that all the backs were worked away by the old men.

BIRGE TOS AND VITTER BINE.—The tin sampled on Monday rather exceeded 8 tons.

WHEAL ASH.—The engine-shaft has been sunk 7 fms. under the adit level; the lode is rather more than 5 ft. wide—3 ft. being solid numdle, and the remaining 2 ft. peach, prian, and noft spar, with occasional lumps of gossan near the wall of the lode, in which gossan is found a small quantity of beack ore. The character and general appearance of the lode has greatly improved during the last week.

THAMES TUNNEL COMPANY.

The number of passengers who passed through the Tunnel in the week ending Mar. 18 was 16,999; amount of money, £66 13s. 3d.

MEETINGS OF PUBLIC COMPANIES DURING THE WEEK.

... Mosherville Pier and Botanical Gardens Co.—London Tavern, at Two, Economic Life Assurance Company—Offices, at Two.
... British American Land Company—London Tavern, at Two.
... British American Land Company—Offices, at Eleven.
... Lambeth Water-Works Company—offices, at Eleven.
... Lambeth Water-Works Company—offices, at Eleven.
... British Gas-Light Company—offices, at Twelve for One.
... Copiago Mining Company—offices, at One.
Provisational Life Assurance Company—offices, at Twelve for One.
... Copiago Mining Company—offices, at Twelve for One.
... Van Diemen's Land Company—offices, at Twelve for One.
... Van Diemen's Land Company—offices, at One.
Patent Metal-Coroft Railway Sleepers Company—offices, at Twelve.
Royal Thames Steam Navigation Company—offices, at Twelve.
... Royal Thames Steam Navigation Company—offices, at Twelve.

Current Prices of Stocks, Shares, & Metals.

MINES.—Since our last, we find several transactions in mining shares have taken place; and, from the inquiries made, we are inclined to think an improved market is approaching. The business actually done is principally confined to the leading or paying mines, in which the speculative public now per ceives that mining investments, when effected under judicious and prudenting agencies, are both safe and remunerative.

agencies, are both safe and remunerative.

Shares in the following mines have been done this week—viz.: Great Devon Consols, Tamar, Wheal Trehane, Treviskey and Barrier, Wheal Williams, Birch Tor, South Wheal Betsey, Tavy Consols, Wheal Mary Ann, Mendip Hills, Cara Brea, Wheal Mary West Wheal Treasury, Kirkcudbrightshire, &c. Several shares in Birch Tor Tin Mine have been sold. From a correspondent we learn that a parcel of 8½ tons of tin was sold on Tuesday, which realised 3401, whilst the cost amounted to about 2002. Wheal Trescoll shares have been sought for at a fair premium, but we are not advised of any sales. Treviskey and Barrier two-monthly account meeting declared a dividend of 3L per share in Treviskey, leaving a balance of 112L 15s. in favour of the mine. Trelawny meeting held on Tuesday last, shows a balance of about 847L now in hand.

Trelawny meeting held on Tuesday last, shows a balance of about 8471. now in hand.

Bedford United Mining Company held their bi-monthly meeting on Thursday, when a dividend of 5s. per share was declared (noticed last week in error). This is the first meeting under the new arrangement—viz: the Cost-book—consequently, the holders of scrip will, of necessity, register, to enable them to receive the dividend. The balance in hand, after payment of said dividend, will be about 21604, including ore bills coming due.

The Great Rough Tor Consols Company held their two-monthly meeting on the same day, when a satisfactory and luminous report was presented to the shareholders (wide notice of meeting in another column).

The Bwich Cwmcrfin Company held a meeting on Wednesday last, when a call of 50s. per 1024th share was deemed necessary. We certainly anticipated a dividend would have been declared, after the great amount of premium paid per share a few months since. We learn that the mine is looking highly satisfactory.

The annual meeting of the Carn Brea Company was held yesterday, when a dividend of 3l. per 1000th share was declared, payable on the 15th of April. We learn that the share list is now so far completed, as to allow the East Wheal Friendship Company to commence operations on the mine, which, we understand, will take place next week, when the shares are expected to realise a premium.

We understand that considerable business has been done in Marke Valley.

Wheal Friendship Company to commence operations on the mine, which, we understand, will take place next week, when the shares are expected to realise a premium.

We understand, that considerable business has been done in Marke Valley during the week, at greatly-improved prises.

The judicious arrangements made by the present company, for working the East Tamar Mine, leaves but little doubt of the undertaking being very soon brought into a profitable position. It is believed, by those well conversant with the mine, that no further amount than the deposit of 11s. 6d. per share will be required. We understand, that the list of 9000 shares is all but completed, and from a highly encouraging report (which appears in another column), the shareholders may congratulate themselves on having acquired a good mine at a cheap rate.

At the meeting of Mendip Hills shareholders, a considerable discussion took place upon the large amount of expenditure incurred in salaries to directors and manager. Being, however, a special general meeting, for a specific object, it was not computent for the meeting to propose resolutions abolishing them; but it being clearly the opinion of a large majority of the shareholders present, that the former should take the reduction into their serious consideration before the next meeting. We believe, however, it is the intention of some large and influential shareholders to call a special meeting, to amend and alter the rules and regulations of the company, so that they may have some part in the management of their affairs. The impression of the meeting appeared to be, that whilst the secretary was receiving his 2001, a year for management, and his salary as director. Mr. Johnson, the only useful member of the company, was receiving a very trifling remuneration.

Accounts have been received from the Alten Mines, during the past week, which report that the indications at Labouchere's lode are of a satisfactory

receiving a very triding remuneration.

Accounts have been received from the Alten Mines, during the past week, which report that the indications at Labouchere's lode are of a satisfactory character. We also liear that the Quenangen Company has been well supported by the Alten proprietors, by whom almost all the shares have been subscribed for. This we are pleased to find, for the advantages gained by the latter company will be of great consideration. From a private parry, who is well acquainted with the Quanangen Mines—having resided in the locality several years—we learn, that the mines were rich, but inadequately worked; and, under efficient management, he considered the property would be a valuable acquisition.

The following arrival of specie by the Peninsular and Oriental Company's team-ship, Montrose, arrived at Southampton, on Sunday, having 25 packages of specie (value, 17,000L), and a general cargo of merchandise.

HULL, THURSDAY.—Our market has been gradually falling since our last, but to-day here are signs of improvement, owing to the slightly increased firmness in London.

In the Court of Bankruptey, on Thursday, Mr. G. Rougemont, the foreign merchant, of Old Broad-street, who failed some months back, towards the close of the late panic, came up to pass his last examination, and receive his certificate, and for the declaration of a dividend. Proof of debts to some amount was taken, and Mr. Rougemont obtained his certificate, with the congratulation of his friends present. It will be romembered, that the object of the firm going through the court, was solely to smable the house to realise assets, which might otherwise have been lost to the creditors. The estate will realise 14s. or 15s. in 1t.

ACCIDENTS.

ACCIDENTS.

Lady Shore Colliery.—As S. Stranding and his son were at work in a portion of the mine in which there was a pipe for the purpose of ventilation, he, unfortunately, threw his shirt over the pipe in such a manner as to render it ineffectual. A quantity of foul air consequently accumulated, and, by the light of a candie, with which they were working, ignited, and burnt them severely. The lad is expected to recover.

Loss of Life from Quarrying Operations.—A large blasting operation being about to take place at St. Catherine's Bay, Jersey, on Tuesday, Mr. Dixon, the director of the works, had stationed himself on the keight of the quarry, to witness the effect, but a mass of rock, weighing 5 tons, having been detached, he was precipitated to the bottom, and almost instantly killed. Mr. Dixon was about 30 years of age, and has loft a wife and four children to lament his loss.—Guennes Star.

Whiteell Colliery, Neacousile.—An explosion, attended with fatal consequences, occurred here on Saturday week; between 8 and 5 o'clock, one of the two bollers in use at the collery was dislodged from its seat, and blown into the air, when an explosion again took place, which rent the botler in twain.—one part falling about 70, and the other about 100, yards from its places. Fortunately the boiler took a northerly direction, or the damage might have been much greater. The second boiler was direction, or the damage might have been much greater. The second boiler was driven, and The brokers, and the whole of the mason work displaced. Part of the working engine-house was stove in, and the roof was thrown off. The brakersan, W. Patterson, and T. Bones, who was acting as freman, were discovered through the means of Patterson, and Endead when taken out, and Patterson was servely scalede, burned, and bruised, and now lies in a dangerous state. M. Cook, the master blacksmith, who was examining a leak in the boiler at the time of the explosion, had his collar bone broken, and met with other casualities. R. Steplenson, the banks

casualties. M. Stephenson, the banksmas, was also severely brussed about the arms, legs, and body, but is now considered out of danger. — Meccasite Advertiser.

Cumaron—Fatal Accident.—T. Jenkins had just opened a gate to admit the trams filled with coals, which were passing down the alope to the Express mill, when, by some means, he was thrown down by the foremost tram; and, melaucholy to relate, the tram passed over the unfortunate man's neck, nearly severing his head from his body.

Dreadful Expl.sion on Board a Vessel laden with Steum-coal.—An inquest was held at the Town-hall, Cardiff, on Thursday last, before R. L. Reece, Esq., coroner, on view of the body of J. Grocey, chief mate of the barque Mephune, of Jersey, now lying in the Bute Dock. It appeared in evidence, that the vessel above-named was loaded with steam-coal, and was lying near Mr. Powell's wharf. On Wednesday night, the deceased having lighted a jucifer match, a territic explosion fook place in the hold, by the force of which the whole of the cabin and main hatchway were blown to atoms. The capstan was blown up to the height of the main rigging. The mate was killed on the spet—his remains presenting a most frightful spectacle. A boy, named R. Smith, had his hands and face burnt, but not severely; and another boy had his hair and cychrows singed. The captain and his wife, who usually slept on board, were on shore that night! The damage sustained by the vessel is estimated at 400t. Verdict—Accidental Death. [Accidents of this nature may be avoided by merely taking the precaution of the eping open title latiches for a few hours afact; heightpment of the cargo, that the gas, which is occasionally evolved from the Merthyt coal, may escape.]—Steamen Hernál.

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13 Ta W He He 14

STOURBEIDGE IRON-WORKS.—Last week a plate of iron was rolled at these iron-works, which weighed, when finished, 10 cwts. 2 grs. 2 lbs., according to the weight vouched for by William Williams, the stocktaker. It was made for Messrs. C. J. Mare and Co., Orchard-yard Iron-Works, Blackwall, London. and was rolled without difficults.

SSAYING AND ANALYSIS .- Mr. MITCHELL begs to inform the MANAGERS, see, of MINES, SMELTING-WORKS, and MANUFAC
IS, that he still continues to CONDUCT ASSAYS and ANALYSES of all PROS, metallurgical and manufacturing, as his LABORATOEY,
ARMYLET-ROAD, EENTISH TOWN, LONDON,
the address communications are to be forwarded.—Instruction in all branches of
me and analysis as usual.

LATEST CURRENT PRICES OF METALS.

LONDON, MA	RCH 24, 1848.
£ s. £ s. d.	£ s. £ s. d.
Inon-Bar a. Wules. ton 0 0-7 3 0	Coppus -Ord. bettoms 0 0- 0 0 11
London 0 0-8 5 0	TELLOW METALSHEATHING 0 0-0 0 84
Nail rods 0 0-9 0 0	Tin-Com. blocksgeut. 0 0-3 19 0
Hoop(Staf.),, 0 0-10 0 0	
Sheet ,, ,, 0 0-11 0 0	
Bars ,, 0 0-9 10 0	000000000000000000000000000000000000000
Welsh cold-blast 7 0 0-4 5 0	Banca 0 0-4 4-0
tennary pig J	TIN-PLATES-Ch.,ICi, box 1 7- 1 9 0
Scoren pigo, Clyde 2 2-2 4 0	, IX 1 13- 1 15 0
Kans, average 0 0-7 10 0	Coke, IC 1 461 5 0
	" IX 1 10 6 1 11 0
	LEAD- Sheet & fon 0 0-18 5 0
" PSI 0 0	Pig, refined 0 0-18 10 0
Gourieff 0 0-	, common 17 5-17 10 0
Archangel 0 0-13 0 0	" Spanish, in bd. 0 0-17 0 0
Swedish a on the spot 0 0-11 10 0	Red 0 0-19 10 A
" Steel, fagt. 0 0-16 0 0	Dry White 0 0-24 0 0
,, kegse 13 10-14 0 0	Shot (Patent) 0 0-20 10 0
	SPELTER-(Cake)/ on spot 13 15-14 0 0
. Tough cake 0 0-88 10 0	
Best selected 0 091 10 0	
Ordin. sheets, lb 0 0-0 0 10	QUICKBILVER n
a Discount 21 per cent. b Net cash.	e Discount 21 per cent, d Ditto
e In kegs and f-inch. f Discount 3 per	cent. g Ditto 21 per cent. h Net cash
in bond. i Discount 3 per cent.	# Ditto 21 per cent. / Net cash. n Discount 11 per cent.

[FROM OUR CORRESPONDENTS.]

hire continue as last quoted. Scotch pigs are about 2s. pe

In lower than last wack.

Corres, 71s, 71s, 7ts, 7ts, 7ta, 7ta, 7ta, and Lead, are without alteration.

Species has declined considerably, and may now be quoted at 14t, sellers, being a fall of 2t. per ton this week. The business in metals generally is exceedingly dull. BIRMINGHAM, Marcu 23.—The trade of this town is now becoming most seriously pressed. Nearly all the foreign orders, with the exception of those from America, are sing suspended, and a vast number of workmen are out of employment.

Massize Ison-Works.—Notwithstanding the slight indications of improvements which are manifesting themselves in this neighbourhood generally, we regret to observe, with reference to the above works, that there does not appear to be any immediate prospect of a reaction—though under the able direction of the manager, C. P. Hampton, Esq., the works are said to have yielded a fair average profit during several years past to the proprietors; yet, from some cause, or combination of causes apart from the management, these conveniently-altuated works are, we expect to hear, likely to come to a stand. Last week notices were issued to the workmen and others in the employ of the company, signifying that their services would not be required after the expiration of one month. Most aincredy is it to be hoped, however, that should a suspension of labour take place, for the sake of hundreds who are dependent thereon for the means of subsistence, it may be but of short duration.—Scanaea Herakl.

Garth.—Operations in the mineral department are startly.

GARTH.— Operations in the mineral department are steadily proceed a few additional hands were taken on.

reck a few accitional mands were taken on.

Liveri.—At these works symptoms of an improved state of things are daily nore manifest. A week ago, one of the furnaces blown out a few mooths since a blast, and it is expected that another will be blown in shortly.—Ibid.

In blast, and it is expected that another will be blown in shortly.—Bid.

The Ison Trade in the United States.—A correspondent of the Birmingham Journal writing from New York, says. "Several failures in the Iron trade in the New England States have occurred, the most important of which is that of Messrs. Fratt and Earl, of Worcester, Massachussetts; several of the works in that section are working short time. The iron manufacturers in Pennsylvania look with somewhat of alarm at the threatened state of affairs—for at the present price of iron in England, and the rate of duty here, it is pretty certain that during this year British iron can, and will be sent into the interior of the United States, into places now served exclusively by American makers. Pittsburg is the chief of these, and British pig-iron can be successfully sent there if the present between the here of the sent in England continue; the American daity of 30 per cent. ad colorem on the reigning low prices in England, will amount to about 53½ per ton. Scotch pig was selling at the last advices at 21. 10s. per ton, equal to 51½ of our money; burs at 535, the duty on which, at 30 per cent, would be but 510 50 cents. The old tariff of 1842 afforded a protection on bar-iron of 525, on pig 510 per ton, and on the smaller kinds a still higher duty. It is understood, that offers have been made by English agents to deliver in the city of Pittsburg, during the present year, not less than 10,000 tons of Scotch pigs, at less than 525. This can be done at the present duty, and also the manufactured articles of all kinds equally low. In England it is sought after as ballast for shipping, and the freight to New Orleans will not exceed 52 per ton., Up the Missiasippi to the head waters of the Ohio river, it can be delivered at from 55 to 56 per ton, which will make the total cest less than 520 per ton, counting the total expenses from the time of leaving England till it reaches its places of d

RAILWAY TRAFFIC PETURNS

Name of Railway.	Lgth.	Present ac- tual cost.	Price per share	Last Div.	Traffic I	leturns
Arbroath and Forfar	16	£179,939	25	4p.c.	€ -	€ 218
Birkenhead, Lancashire, & Chesh.	1 15	706,793	37		585	498
Caledoniau	130	3,594,470	281 1	-	2800	-
Dublin and Drogheda	35	733,655	52	31	655	702
Dublin and Kingstown	71	473,282	_	7	526	553
Dundee, Perth, & Aberdeen Junc.		285,745	30	6	753	273
East Anglian (Lynn to Ely)	551	1.062,742	74 8	-	-	1
East Lancashire	24	1,733,915	18	-		619
Sastern Counties	2214	7,698,370	131 4	5	10711	8892
Castern Union	50	979,926	80		1088	859
dinburgh and Glasgow	53	2,375,745	381 9	6	3220	3327
dinburgh and Northern	29	953,207	18	-	1085	002
Hasgew, Paisley, and Ayr	644	1,890,547	652	7	2135	2339
lasgow, Paisley, & Greenock	23	838,964	16	3	986	952
t. Southern & Western, Ireland	1101	1,876,326	18		1979	1018
reat Western	2812	10,970,636	91	7	16664	15312
endal and Windermere	104	169,888	23	7711	118	10014
ancaster and Carlisle	70	1,395,193	44	4	1380	
ancashice and Yorkshire	1242	6,807,314	86	. 7	8849	8180
ondon and North Western	428	21,513,354	124 8	8	36212	34960
ondon and Blackwall	0.401	1,146,289	43 5	. 1	692	727
ondon, Brighton, & South Coast	1521	6,087,822	30 1	4	6540	5305
ondon and South-Western	189	6,264,164	444 6	8	6973	5977
ondonderry and Enniskillen	144	160,013	16		145	0511
fanchester, Sheffield, & Lincolnsh.	46	2,336,624	80	5	2068	1888
Laryport and Carlisle	28	424,417	39	3	447	522
Ildland Company	402 à	8,658,604	98 1001	7	18094	16991
fidland Great Western (Irish)	361	583,776	101	-	877	10001
lewcastle and Carlisle	661	1,184,080	1014	6	1829	2095
orfolk	811	1,375,633	624 604	6	1577	1531
orth British	78	2,514,150	20 1	5	1907	1379
hrewsbury and Chester	17	591,158	154	-	480	331
onth Devon	29	1,339,860	20	8 150	926	397
outh-Eastern	1654	6,398,218	231 1	6	7105	5651
aff Vale	38	785,607	201	84	1957	1294
llster	25	646,211	52	6	849	785
Vhitehaven Junction	12	147,095	0.0	6	173	100
ork, Newcastle, & Berwick	2364	3,685,102	291	9	10014	7832
ork and North Midlend		3,196,869	61 4	10	7439	5700

	1 01 24	TO WATER IT IS	1 13			
	1 188	573,338	5# 7#	4	1438	-
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		2,000,000	21 31	4	-	
Orleans to Bourges (Central) 10	374		_	-	2576	-
Orleans to Tours	72	600,000	32#	4	2751	2745
Paris and Orleans	12 -	2,011,720	25 1	124	7517	6941
Paris and Rouen	35	2,082,916	- 15 ₫	112		-
Bouen and Haere	191	A STATE OF	84 I	4	-	-
Strasburgh and Basic (monthly)	8	-	6	11	5237	6169
West Flanders (ditto)	- 1	_	-14	-	964	1-13

Total earnings for last week, £157,895, being an increase of £21,466 over last year.

COAL MARKET, LONDON.

PRICE OF COALS FER TON AT THE CLOSE OF THE MARKET.

MONDAY.—Bate's West Hartley 14 6—Carr's Harrley 15—Davison's West Hartley 15—Davison's West Hartley 15—Davison's West Hartley 15—South Fontop 12—Tranfield Moor 14—Tanfield Moor Butes 13—Townley 14—Wylam 14—West Wylam 14 3—Wall's End Clarke and Co. 13 9—Hedley 15—Killingworth 15—Eden Main 16—Beil 15 6—Hetton 16—Keepler 16 3—Lambton 16—Morrison 15—Russell's Hetton 16—Stewart's 16 6—Hudson's Hartlepool 15 6—Heugh Hall 14 9—Adelaide Tees 16—Brown's Deanery 14 9—Seymour Tees 15 3—South Durham 14 9—Adelaide Tees 16—Brown's Deanery 14 9—Seymour Tees 15 3—South Durham 14 9—Adelaide Tees 16—Brown's Deanery 14 9—Seymour Tees 15 3—South Durham 14 9—Adelaide Tees 24—Abercrave Stone Coal 21—Cowpen Hartley 15—Derwentwater Hartley 14 9—Howard's West Hartley Netherton 15—Sidney's Hartley 15—South Ponton 19—Tanfield Moor 10—Tanfield 3—Ord's Eedbeugh 13 6—South Ponton 19—Tanfield Moor Butes 12 6—Wall's End Franwellgate 14—Hedley 14 6—Harton 14 6—Tanfield Moor Butes 12 6—Wall's End Franwellgate 14—Hedley 14 6—Harton 14 6—Haswell 16 6 to 16 9—Hetton 16 6—Keepler 16—Russel's Hetton 16—Stewart's 16 6—Hudson's Hartleyo 14 9—Kelles 16—Adelaide Tees 15 9—Cowndon Tees 14 6—Seymour Tees 16—West Cornforth 14—Abercrave Stone Coal 21—Derwentwater Hartley 14 9—Howard's West Hartley Network 15—Sidney's Hartley 15—Ships at market, 130, FRIDAY.—Buddle's West Hartley 14 6—Carr's Hartley 15—Davison's West Hartley 14—Townley 14—Wylam 13 6—West Wylam 14—Abercrave Stone Coal 21—Berwentwater Hartley 13—New Pelton Main 13—New Tanfield 13 6—Ord's Redheugh 13 6—Tanfield Moor 14—Townley 14—Wylam 13 6—West Wylam 14—Abercrave Stone Coal 21—Berwentwater Hartley 13—West 16—Gerwentwater Hartley 14—Caradee 15 6—Hetton 15—Haswell 16 6—Eecley 16 6—Hetton 15—Haswell 16 6—Eecley 16 6—Hetton 15—Haswell 16 6—Eecley 16 6—Hetton 16—Haswell 16 6—Eecley 16 6—Hetton 16—Eecley 16 6—Hetton 16—Baswell 16 6—Eecley 16 6—H

D

PRICES OF MINING SHARES.

	INING SHARES.
Shares. Company. Paid. Price	BRITTISH MINES continued.
1000 Abergwessin 7	1 1100 South Descoath 3 2
1024 Alfred Cousels 45. 14	256 Sth. Friendsh. Wh. Ann 16 28
335 Andrew and Nanglies 984. 114	300 South Harvannah . 10 . 28 256 South Tolgus . 74 . 50 256 South Tolgus . 74 . 50 256 South Teoland . 164 . 20 128 South Wheal Basset . 110 . 70 255 South Wheal Basset . 110 . 70 255 South Wheal Basset . 120 . 70 255 South Wheal Basset . 70 255 S
1000 Antimeny and Silver 1	256 South Trelawney 20 9
1624 Balleswidden 9 18 126 Balnoon Consols 25 25	126 South Yeoland 16j 20
126 Balacon Consols	
1000 Barristown 41 3 4000 Bedford 22 31	124 South Wh. Francis 160 210
128 Besore Lead Mine 14 10	1000 South Wh. Maria 22 2
8000 History 50 23	256 South Wheat Rose 11: 1 256 South Wh. Sophia 4 4
1 100 BOLLHIRCK	10000 Southern&Western, Irish 2 4
10000 Beltich Iron New routs 10 13	206 South Wh. Sophia . 4 . 4 10000 Southern&Western, Irish 2 . 4 200 Spearne Moor 30 . 40 256 St. Austell Consols
— Ditto ditto, scrip. 10 10 128 Budnick Consols 522 80 128 Burthy 20 21 100 Bwich Conneriin 20 —	296 St. Austell Consols. 9 6 6 94 St. Ives Consols — 320 128 St. Michael Peukivel 5 10 999 St. Minver Consols 1 6 1800 Stray Park 43 18 9500 Tamar Consols 3 4 1024 Tavy Consols 4 7-10- 6000 Tineroft 7 5 1000 Tin Vale. 2 11 128 Tokenbury 1474 10 266 Treinane 2 255
128 Burthy 20 21	999 St. Minver Consols 1 6
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1 256 Caradon Copper Muse 94 2	1000 Tineroft
256 Caradon Mines 221 17 256 Caradon United 24 5 256 Caradon Wh. Hooper 21 15	128 Tokenbury
256 Caradon Wh. Hooper 21 15	5000 Trolaigh Consols # 9
1000 Carn Brea 15 80 3000 Carthew Consols 15 6	2000 Trenauce 2 50
	120 Trethellan 5 . 16
112 Charlestewn220 30 166 Cleveland 9 5	120 Treviskey and Barrier 130 125
166 Cleveland 9 5 512 Coatlithe Hill 4 2 1900 Combinartin 7 3	128 Trewellard 12 26
500 Combiawn 54 6 128 Comfort 45 90	100 United Mines 300 350 256 Wellington Mines 15 25 128 West Basset 45 30
1 956 Condurrow	128 West Basset 45 30 256 West Caradon 20 100
2560 Cook's Kitchen 14 2	128 West Cargoll 2 . 12
2560 Cook's Kitchen	812 West Fowey Consols 40 15 256 West Providence 9 25
1000 Copper Bettom 1 6 6 20	200 West Seton 40 . 159
1024 Cosheen	120 West Trethellan b 30
1 500 Cukert Mine 124 15	256 West United Hills 5-8 256 West Wh. Frieudship. 9 12
1000 Cwm Erfin	3845 West Wheat Jewel 11 1
1 300 D.Prior & Buckfastleigh 14 26	2560 West Wh. Maria 3 1 256 West Wheal Shepherd. 5 2
7500 Demelza Mines 2 —	256 West Wheal Tolgus 214 5
1024 Devon&Courtenay Con. 74. 24	256 West Wheal Treasury 19 10 5200 Wicklow Copper 5 . 11-4 184 Wheal Adams 51 10
7500 Demeiza Mines 2 7100 Demeiza Mines 8 5 1024 Devon&CourtenayCon 7 2 1024 Devon Great Consols 1 210-15 1000 Dhurode 2 5 186 Dolconth 30 50	184 Wheal Adams 51 10 1000 Wheal Agar 10
186 Delconth	256 Wheal Albert 10 8
10000 Durham County Coal 45 5	128 Wheal Acland 13
3000 Dyfngwm	240 Wheal Anderton 21 25
112 East Caradon 47 47 2048 East Crowndale 54 44	A19 Whoul Ann Deldfood 1 0
1 512 East Combe Silver-Lead 64 64	
128 East Pool	120 Wheal Bal 52 20
- East Wheal Albert 1 3	2560 Wheal Barbara 14 4-5 256 Wheal Benny 104 6
94 East Wheal Crofty125 280 1024 East Wheal Fortune 2 3 1024 East Wheal Friendship 3 3	256 Wheal Blencowe 21 5
1024 East Wheal Friendship 3 3 128 East Wheal Rose 501150	256 Wheal Bucketts 20 5 5 256 Wheal Castock 3 8 6 136 Wheal Clifford 190 190 190 1924 Wheal Coad 5 5 290 Wheal Courtoney 5 20 5 20 20 20 20 20 20 20 20 20 20 20 20 20
2048 East Wh. Rough Tor 2 — Eastof Scotland Iron Co. 24 14	1024 Wheal Coad \$ 5
1 123 East Wheal Seton 14 15	6000 Wheal Curtis 3 3i
256 Elborough	256 Wheal Dyke
1 512 FOWEY CONSON 40 45	512 Wheal Fortune Consols 31 61
20000 Galvanised Iron Co 10 91	2048 Wheal Frederick 2 2 388 Wheal Franco 27 35-3
6400 Gadair	128 Wheal Harriet 45 50
256 Gonamena 324 30	256 Wheal Jane 21 15 256 Wheal Louisa 8 8 8
244 Grambler & St. Aubyn — . 10	512 Wheal Margaret 79 350
100 Great Consols1000 400 256 Great Callestick Moors 22 25	256 Wheal Mary Consols 40 26 210 Wheal Prospect 4 7
2560 Great Michell Consols 12 32	120 Wheal Reeth 41 150
256 Great Michell Consels 14	128 Wheal Rose 60 15 2048 Wheal Samson 4 20
256 Gwinear Consols 7 16	99 Wheal Seton2141000 256 Wheal Sisters 304 17
256 Herodscombe 5 4	256 Wheal Sophia 54 10
256 Herodsfoot 18 19	128 Wheal Spearne 10 75
10000 Hibernian 121. 12 239 Hobb's Hill 6 3	- Wheal Trescoll 1 124
239 Hobb's Hill	256 Wh. Tremaine(St. Erran) 44. 20
500 Lady Elizabeth 5 5	256 Wheal Tremayne
	256 Wheal Trevenna 3 4
160 Levant 90	92 Wheal Tryphena140 265 242 Wheal Venland 293 30
1000 Llwyn Malees 5	256 Wheal Vlow (Perrang.)
3600 I lynei Iron 50 50	184 Wheal Vyvyan
6000 Marke Valley 10 4	the state of the s
5000 Mendip Hills 21 11	FOREIGN MINES. 5000 Alten Mining Company 141. 22
5000 Merionethshire Slate & Slate Slab Co 3	15000 Asturian Mining Co 12 4
256 New East Crowndale. 31. 31	10000 Anglo-Mexican Co100 . 2
	20000 Australian
140 North Roskent 53 150	3000 Bolunos
256 North Wh. Abraham 1 1 262 North Wh. Leisure 1 2	12000 Brazilian Imperial 28 . 54
128 North Wh. Providence 21. 3	8500 Colombian Co. regis 55
128 Par Consols 1000	8500 Colombian Co. regis 55 5000 Ditto Scrip 5i
	10000 Copiapo Mining Co 14 22 10000 General Mining Ass'n. 20 . 134
1280 Perran St. George Un. 13 20	5000 Kinzigthal Mining Ass. 2 ·· 4-4
128 Perran Wh. Virgin 91 15 512 Plymouth Wh. Yeoland 61 21	2000 Mexican & SouthAmer. 7 1
256 Polsaith Consols 4 7	5000 Mocaubas & Cocaes 30 4-5
10000 Rhymney Iron 50 20	29320 {Rl.del Monte, regis.} 284 1}
2500 Rhoswhiddol Mine 10	Ditto Red Debentures 10 Ditto Black ditto 5‡
256 Rose Consols 10 2 1000 Rosewall Hill 1 5	Ditto Black ditto 54 Ditto Loan Notes 150 60 7000 Royal Santiago 10 6
256 Rosewarva Mines 12	
- Shotts Iron Company 50 55 2500 Silver Valley 54	11000 St. John del Rey 15 61 43174 United Mexican Av. 28111-21
See Shire takey	

WAREFIELD, PONTEFERCT, AND GOOLE RAILWAY.—Captain Laffan, of the Royal Engineers, Inspector of Railways, examined the Wakefield, Pontefract, and Goole Railway on Wednesday last, the 22d inst. After a most minute inspection of the whole works, he expressed himself highly pleased with the general appearance of the line, and stability of the works. We understand the inne is to be opened by the directors on Wednesday next, the 29th, and thrown open to the public a day or two afterwards. Capt. Laffan was accompanied in his inspection by Mr. Harris, the engineer to the line; Mr. Hawkshaw, of the Lancashire and Yorkshire Railway, and several other gentlemen.

MIDLAND RAILWAY STOCK.—The number of engines—each, of course, with its tender—is 160, and the average length of an engine and tender we have ascertained to be 39 ft.—making an aggregate of 6396 ft., or 2132 yards. The number of the other description of vehicles is 6816, and the average length of each, from buffer to buffer, is 18 ft. A monster train, composed of the entire number of carriages, &c., would extend over 23 miles and 416 yards; or, with the coupling-chains extended, as when travelling, a distance exceeding that from Derby to Chesterfield.—Derby Mercury.

ARALWAY THROUGH A BOG.—The portion of the Cashel Railway which subsided into the bog, it is found impossible the replace. One of the workmen has been lost in the morass. The contractor is asserted to have lost several to carry the lineacross, are found to come come up again at a long distance from the place where they were sunk.

SOUTH WALES RAILWAY.—We are glad to be able to report that the works upon this line in our immediate neighbourhood, as well as those of Cardiff.

the place where they were sunk.

SOUTH WALES RAILWAY.—We are glad to be able to report that the works upon this line in our immediate neighbourhood, as well as those of Cardiff, Swansea, &c., and towards Chepstow, are progressing very satisfactorily, every day exhibiting extension and improvement. The expansive bridge across the Usk, just above the ruins of Newport Castle, is nearly completed; the bridge across the Caerleon-road is finished; and the embankment is fast extending towards Maindee Commen, on the town side of which the line will proceed to Chepstow, over easily worked ground. The crossing of the River Wye, at Chepstow, will shortly be effected also. This will be a wooden bridge, similar to that of Newport, and will be elevated 50 ft. above high-water mark. Mr. R. Sharpe, a gentleman connected with extensive railway undertakings, has the contract for rausing an embankment for the formation of the western abutment; and this work is rapidly proceeding. The erection of the bridge is said to have been contracted for by a Bristel merchant. The frameworks are already in a very forward state.—Momouthshire Merün.

TREVISKEY AND BARRIER.—The following are the reports and statements of accounts of these mines for Dec. and January:—Treviskey.—Total receipts, 1764£ 12s. 4d.: expenses, 1419. Jos. 8d.—showing profit of 345£ 1s. 8d.; balance in hand end of November, 33£ 17s. 1d.—373£ 18s. 9d.—By dividend of 3f. per share, declared 29th March, 360£—leaves in hand, 15£ 18s. 9d.—Report.—"In Michael's shaft, sinking 6 fins. below the 248 fm. level, the lode is 2 ft. wide, worth 30£ per fm. In the 248, 2 ftms. east of the above-named shaft, the lode is 3f ft. wide, worth 40½ per fm. In the 286, 16 fms. east of the shaft, the lode is worth 12£ per fm. In the 200, 37 fms. east of the shaft, the lode is producing 2 tons of ore per fm. In the 176, 40 fms. east of the shaft, the lode is producing 2 tons of ore per fm. In the 176, 40 fms. east of the shaft, the lode is producing 3 tones of ore. We are diving the 30 fm. level morth, but have not intersected any lode. We are sinking Williams's old sump-shaft below the 18 fm. level, and expect to cut the lode in the 30 fm. level by the end of May next. On Wednesday last, we sampled 285 tons of ore, and expect to raise 300 tons for March and April."—Barrier.—Receipts, 302£ 0s. 3d.: expenses, 240£ 8s. 11d.—profit, 61£ 11s. 4d.; in hand end of November, 50£ 10s. 1d. = 112£ 1s. 5d.—Report.—We expect to raise from the pitches for March and April about 40 tons of ore."

St. Cleer.—The mmes carried on in this neighbourhood have been the We expect to raise from the pitches for March and April about 40 tons of ore."

Sr. Clerke.—The mmes carried on in this neighbourhood have been the means of changing the manners and anusements of the people by introducing persons from other districts. An excellent Sunday-school library, and other institutions for disseminating knowledge, have been established, and an amateur brass band has been formed, the members of which are principally miners. On Thursday, the 16th inst., the band gave a ball to their friends at Tremar, in St. Cleer, on the occasion of one or two of the members being about to leave this country for Australia.—West Briton.

INDIAN METAL MARKETS.—Calcutta: Copper and lead sales rather limited; but in iron there has been considerable business doing. Steel and tin plates confined.—Bombay: In copper sheathing there has been a steady demand, and, consequently, an advanced price has taken place. Bolt copper is much wanted, and is a great scarcity in the market. A demand for Swedish and English iron continues.—Madras: For copper, iron, and lead, there is general demand, and supply limited. Tin plates rather dull.

And supply limited. In plates rather dull.

RING AND BEACELET COMBINED.—Messrs. J. French and Sons, jewellers of Clerkenwell-close, have just registered under the Act a novel and ingenious design, which consists in making a ring in several annular pieces, confected to one another by hinges, and secured by a clasp, in such manner, that when folded up, a ring of unique design is formed, and, when unfolded, a very chatte and elegant bracelet. The style in which this ring is got up, cannot full to delight and satisfy all connoisseurs in bijouterie.

PARIS AND LYONS RAILWAY COMPANY.—
CHARLES DEVAUX & Co. beg to resulted the shareholders in the above company, that the CALL of SEVENTY-FIVE FRANCS per share, now reduced to 26 frs. per share (less 5 frs. for interest due), making only 20 frs. per share, is PAJABLE between the 20th inst. and 6th of April next; and that C. DEVAUX & CO. will, as usual, undertake to forward the shares to Paris, and pay the call thereon.
London, March 20, 1848—No. 62, King William-street, City.

NORTH OF FRANCE RAILWAY COMPANY.— CHARLES DEVAUX and Co. are, as usual, receiving the CALL on the above CHARLES DEVAUX and Co. are, as usual, rece hares, and which has been due since the 6th instant. London, March 20, 1848 -62, King William-street, City. 50

LEAD ORES

	-	-	 -	-	-		-	
		11 9-11				rice.		Purchasera.
Maeseyrwdd	W		 734 .		£10	1	0	 Mather & Co.
Coetia Llys			 271.		10	1	0	 ditto
Milwr		** ** * * *	 64.		10	1	0	 J. P. Eyton.
Hendre			 71 .		9	14	0	 Walker, Parker, & Co.
ditto			 181.		9	15	0	 J. P. Eyton.
								Mather and Co.
Frenfownog			 100 .		9	18	6	 Walker, Parker, & Co.
ditto			 10 .		10	7	6	 J. P. Eyton.
Llangwnog			 13 .		- 8	16		Walker, Parker, & Co.
Cairnsmore			 48 .		- 8			Newton, Keates, & Co.
ditto			 14 .	*****	6			
Shallee			 34 .		12	3	0	 Walker, Parker, & Co.
ditto			 8 .		5	5		Newton, Keates, & Co.
ditto			 54.					Mather & Co.
								Company of the Party of the Party
7.7				at the				and the second
East Wheal	Rose		 84 .		£12	11	0	 Tamar Company.
ditto								R. Michell & Sen.
ditto		*****						
11 11 11 11								101 (101 (10 m)
		- 15	 	lin Lon			0.	o intermediate to the a

ditto	******** *********	70	11 1	5	6	R. Michell & Sen.
ditto	****** * **********	51	11	1 3	6	ditto
W 40 HILL	Total to	18			208.	
Lough Tarte	11	Sold in Lond	lon.			A THE PROPERTY OF THE
Bwlch Con	sols	55	11	7 (3	Mather & Co.
Cubert		74				Walker, Parker, & Co.
Aire	THE RESERVE OF THE PERSON NAMED IN COLUMN TWO	W.I	0	8 4	7	D Michall & Con

ditto	****	****	****							R. Michell & Son.
AND THE		100			Sol	d at Aberr	ustroit)	L		demail surround (
Goginan					 70		£13	11	6	Newton, Kentes, & Co.
ditto					 21		13	7	6	ditto
· ditto					 21		13	7	6	Walker, Parker, & Co.
Frongoch .					 70	*******	9	16	3	Riddle & Co.
Darren					 28		15	19	6	Walker, Parker, & Co.
Bog				16.30	 92	Section Section	0	19 /	a ·	Pumar Company

Total tons 224.

BLACK TIN.

Tons.	Price per	ton.	Purchasers.
. 24	£35 12	6	Calenick Smelting Compan
. 14	40 12	- G	Williams and Co.
. 11	42 10	0	Calenick Smelting Co.
. 12	25 0	0	ditto
	· 24 · · · · · · · · · · · · · · · · · ·	. 21£35 12 . 12 40 12 . 12 42 19	Tons, Price per ton, 2\$£35 12 6 1\$40 12 6 1\$42 19 0 1\$25 0 0

COPPER ORES.

Sampled March 8, and Sold at Pearce's Hotel, Truro, March 23, 1848.

Mines. Tons. Price.	Mines. Tons. Price.
Devon Gt. Cons. 3 103 £6 17	0 Wh. Comfort 87 62 - 8 0
Wh. Josiah 5	ditto 72 \$ 2 0
ditto 101 9 5	6 ditto 48 3 2 0
ditto 100 7 15	6 ditto 37 2.12 6
ditto 99 5 10	6 Poldice 58 5 18 6
ditto 96 6 2	0 ditto .52 4 6 6
ditto 46 8 0	0 ditto 50 4 18 6
ditto 28 5 5	0 ditto 39 4 17 0
Wh. Maria 127 5 9	9 ditto 31 4 2 0
ditto 126 6 10	0 ditto 10 2 13 6
	0 Wh. Friendship 105 7 19 0
	0 ditto 97 9 6 D
ditto 37; 5 5	0 ditto 32 4 15 h
	0 Wh. Jewel 64 5 17 0
Wh. Anna Maria 92 5 14	6 ditto 31 2 10 6
ditto 26 6 4	0 ditto 26 6 11 0
West Caradon 88 6 0	6 ditto 25 1 1 0
ditto 76 6 0 (6 Bedford United 117 7 6 6
ditto 60 4 4 (6 - Wh. Maiden 34 3 17 6
ditto 52 7 0 6	6 Wh. Williams 31 5 0 0
ditto 51 9 1 (0 Wh. Henry 27 5 11 0
Fowey Consols 6 0 (0 Wh. Union 7 6 6 6
ditto 88 6 1 0	0 Todd's Regulus 5 10 12 6
ditto 73 5 16 6	6 Pembroke 1 5 6

TOTAL PRODUCE. | Wh. Friendship | Wh. Jewel | Wh. Maiden | Wh. Maiden | Wh. Williams | Wh. Friendship | Wh. Jewel | Wh. Maiden | Wh. Williams | Wh. .. 234 ...£ ... 146 117 34 31 27 7 5 ...

COMPANIES BY WHOM THE ORES WERE PURCHASED

*	POLICE AND TELESCOPED BY TO A STREET WITH THE	Tons. Amount.	ä
	Mines Royal	320 £1295 5	ã
	Vivian and Sons		ŝ
	Freeman and Co		0
*	P. Grenfell and Sons	362 1905 2	ä
	Crown Copper Company	. 47 294 8	ä
	Sims, Willyams, and Co	. 530 3255 14 . f	a
	Williams, Foster, and Co	. 676 4667 0	ă.
		ON THE ROSSO ASSESSMENT	a

Copper oros for sale an Thursday next, at the Royal Hotel, Truro.—Mines and Parcels.—Consois 1009—United Mines 882—Tresavent 68—South Carndon 357—Pur Consols 347—Perran 84. George and Bolenna 373—Trevisley 289—Trethalian 183—St. Aubyn and Grambier 187—Trelegist Consols 146—Wheal Store 135—Wheal Eden 113—Wheal Andrew and Nanglies 100—Wheat Clifford 29—Wheal Daty Consols 64—Wheat Prudence 57—Wh. Brower 46—Wheat Agar (Zaz) 23—Rose-in-Vete Consols 64—Wheat Prudence 57—Wh. Brower 46—Wheat Agar (Zaz) 23—Rose-in-Vete Consols 64—Wheat Consols 64—South Wheat Based 574—Condurroy 256—South Wheat Paranels 163—East Pool 145—Wheat Based 574—Condurroy 256—South Wheat Paranels 163—East Pool 145—Wheat Based 574—Condurroy 256—South Wheat Paranels 163—East Pool 145—Wheat Rose 137—Wheat Mary 85—South Wheat Proting 66—Lardivet Consols 45—Wheat Tryphena 16—Wheat Rose 137—Polgooth 11—West Based 10—Copper Bottom 8.—Total, 6080 tees.

NOTICES TO CORRESPONDENTS

so, to avoid trouble, Poor-Orrige Osdess shou Lines Marshell, as acting for the proprietors.

We should feel obliged to all pursers, captains, or adventurers, to forward particu-lars of meetings, &c., of the mines with which they may be connected, on the earliest opportunity, that they may be published in the Journal with as little do

Sladsary of Mining Cerms.

re preparing for publication, as a nest pocket volume, our Glossary of English and eigen Mining and Smelting Terms. The new edition will comprise several correc-is in the Cornial Terms; I also, the additions with which we have since been favoured correspondents—comprising those of South Staffordshire and Newsastle.

arks on the Employment of Slave Labour in Foreign Mines, must stand over. nual of Practical Assaying; or Budge's Mo J. T. W." (Nantyglo).—See Mitchell's Ma. Guide-Weale, 59, High Holborn.

* R. M." (Glasgow).—Apply to the author, whose address is given in the notice.

*T. K." (Bideford).—The report can be procured of Mesars. Hansard, Turnstile, Hol—price 3s.

A Shareholder."—See a notice in this day's Journal; also a report of, and remarks on the last meeting, in those of the 12th and 19th February.

The Cost-sook System.—Some observations, in reference to a remark in last week's Journal, as also the letter of a correspondent, are unavoidably postponed.

METAL TRADES' PENSION SOCIETY.—We are compelled to defer, until next Journal, our report of the meeting of the supporters of this society, held at the London Tavern, or Trursday last.

W. Z. S." (City),—Mr. Hoffmann's pamphlet is published by J. Miller, Henricita-st Covent-garden.

ons, Improvements, and Practice of a Colliery Engineer.—We have just been ed, that Mr. Thompson has reduced the price of his work from 7s. ed. to 4s. h rate copies can be had at our office, or from Mr. Weale, 59, High Holborn.

We must impress upon our correspondents, the necessity of invariably furnishing us with their zames and addresses; not that their communications should, consequently, be noticed, but as an earnest to us of their good faith.

The Mining Journal is published at about Eleven o'clock on Saturday morning, at the office, 26, Fleet-street, and can be obtained, before Twelve, of all news agents, at the Royal Exchange, and other parts of London.

THE MINING JOURNAL Mailway and Commercial Sagette.

LONDON, MARCH 25, 1848.

It is not permitted us to take anything more than a commercial notice of the extraordinary political transformations, which are, at this moment, changing the whole face of the European world; nor, perhaps, is it desirable that we should do so—for the comfort, the wealth, the prosperity of nations, is far less intimately connected with merely political fluctuations, which may happen to all, than with the growth and perpetuation of that compares which is the with the growth and perpetuation of that commerce, which is the permanent foundation of public ease and happiness. There is a natural order in the progression of social benefits, which cannot, except most injuriously, be reversed, or interrupted. Thus industry is everywhere the nursery and supporting element of commerce; confinerce, in its turn, is the fruitful underbed in which wealth, in every place takes roof, wealth, next in order is the parent stem is everywhere the nursery and supporting element of commerce; continerce, in its turn, is the fruitful underbed in which wealth, in every place, takes root; wealth, next in order, is the parent stem of knowledge; and knowledge the only atmosphere in which freedom can adequately breathe. In this manner we lay in the lower arts, and in the diligence of mechanical occupation, the first sections of that column, upon whose uplifted head, crowned with capital and architrave, is traced in golden portraiture the duties by which life is adorned, and the labours by which true liberty is perpetuated. It is quite as well, we say, therefore, that we do not soar with Plato to the heaven of the most perfect, or the most fair. That our business is infinitely less with the ideal and the imaginative, than with the tangible and the concrete—less, in fact, with theories of Government and Legislation, than with that pound of practical activity which constitutes the happiness, and secures the peace of the busy world. Since our last publication, the public funds have become firmer, and gone up several quotations, arising, we believe, principally from the fact, that the settled policy of the British Government will be pacific, whatever commotions may heave the Governments of the continent from their foundations. Hostilities, on our part, will be an absolutely last resource—in the strictest and most literal sense—or ultimo ratio, if, indeed, under any circumstances, it would be adopted at all. The changes in the mining world, and value of mining property, have been few and unimportant. We believe there is a somewhat better demand for the leading ones, and also a somewhat increased supply, so that the general value of mining produce has continued steady, under circumstances of deand also a somewhat increased supply, so that the general value of mining produce has continued steady, under circumstances of depression in other departments of home industry. The inquiry for shares in those mines, which, for some time past, have been declaring a frequent and a handsome dividend, has been numerous. The ing a frequent and a handsome dividend, has been numerous. The same may be said of mining shares generally as an investment, and there can be little doubt that it will lead to large and important transfers. Altogether, looking at the state of trade as a whole, the upward motion of the public funds, the fulness of the money market, the partial revival of commerce, and the growing conviction that the amicable relations of the European nations will not be interrupted, we are inclined to regard the week just ended as having given us a cheerful earnest of a prosperous future.

The financial and commercial affairs of France have, since our last publication, absorbed all other considerations; and, to meet the exigencies of the day, the Provisional Government will leave little for the National Assembly to do, except to ratify their Acts, previous to the elections; and, as in this third revolution, France is in the hands of the Parisians, the elections, according to present appearances, are not likely to interfere with this dictation. One of the measures decided upon by the Provisional Government is, to purchase from the respective companies all the railways commenced, or to be completed, in France; and the energy with which these works are to be carried on, can hardly be kept pace with which supply of iron made in France. In addition to the announcements of the Minister of Marine, for the supply of English coal, the working of events in France may lead to contracts likewise for British iron, unless the progress in the railways to be purchased from the present proprietors in French rentes, is to be limited to the making of courth events.

Leaving France to manage her financial, commercial, and political affairs in her own way, we pass, with considerable gratification, to notice the events in Germany; and the important concessions made by the King of Prussia and Emperor of Austria cannot fail to produce the most beneficial results—not only to that part of the continent of Europe, but likewise in its connection dinent of Europe, but likewise in its connection On receipt of the information at Milan, of the EMPEROR of Austria having granted the promised constitution, after the retirement of Prince Metternich, the viceroy departed from that city. The constitution of 1812, has been conceded to from that city. The constitution of 1812, has been conceded to the Sicilians by the King of Naples; and advices from Rome, to the 18th inst., reports a proclamation had appeared of a new fundamental constitution by his Holiness Pope Prus IX.—consequently, in the past week, the political atmosphere is brighter; and the views expressed in this Journal of reaction in securities, depressed at the outbreak in France, is, as we have before remarked, beginning to show itself in the improvements in the funds and augmented purchases in railway shares—the French lines participating in the improvement.

It was solely, from a pressure of other subjects last week, that we did not more particularly direct the attention of our readers to the important experiments now being made, as to the kind and quality of fuel best adapted for the generation of steam, as applied to mo-

tive-power. It is obviously not altogether, nor even principally, a mining question, though in that relation alone, the subject is highly tmportant. It is more important still, in relation to the iron districts, and the manufacturing seats of the kingdom. Of still greater moment is it to the great and growing railway interests, which penetrate into every nook of this busy island; but, surpassing all, it is of the highest consideration to the royal, mercantile, and mail nations of the product of the seat o is of the highest consideration to the royal, mercantile, and mail navies of England, whose keel furrows every sea, and whose meteor flag illuminates every breeze. Regarding the subject of these experiments in these multiplied relations, it is not so easy either to write or speak beyond the actual and intrinsic magnitude of the results involved. The experiments will, we have every reason to believe, elucidate three principal points—viz. the greatest concentration of fuel, the greatest economy, and the greatest procurable amount of heat; and, with a view to the settlement of these desidents it does not appear to be year, important whether the first three the first procurable and the settlement of these desidents it does not appear to be year, important whether the first procurable and the settlement of these desiderata, it does not appear to be very important, whether the fur-naces consuming the fuel are either fixed or floating. These islands, as every one knows, contain within their circuit some of the richest coal measures in the known world, and discoveries are daily making, of important coal deposits, in the magnificent colonies and continental dependencies of this great sovereignty. We are in a state of profound peace—there is no war, civil, European, or beyond the seas, at present claiming our attention, or absorbing our resources; but the times are critical beyond all precedent, and it strictly behoves us, in all things, to put our house in order, and to live in a state of preparation for these heatile contingencies, which we must state of preparation for those hostile contingencies, which we must be blind not to see, and insane not to regard. These investigations are entrusted to individuals eminent in their department of the scientific world, and it is not too much to expect, that from them will issue a report as to the most powerful and economical fuel for fur-uace work generally, which shall afford solid instruction, on that head, to the mining, manufacturing, and maritime interests of this

By the end of next week, we hope we shall have received from our friends, spread throughout the mining districts, the fullest returns which it is in their power to furnish of the gross produce of the mines, falling within their notice and observation, during the first quarter of 1848. It would materially enrich, and raise the importance of these returns, if, superadded to the account of produce, we are enabled to publish also an account of the expenditure of the mines, and the value in sterling money of the ores sold during the quester.

ing the quarter.

As we have intimated before, the collection and presentation of these statements is properly and legitimately the business of parties resident upon, or in the vicinity of, the works. We hope there are parties so situated, who will cheerfully contribute to this good and promising, and necessary work. The public ought to see that there is nothing to conceal, nothing to mystify, in mining operations as now conducted. If there were any latent frauds, any subtle falsification, in the course and character of mining business, the policy of such publication might be questionable; but in a case where, if such publication might be questionable; but in a case where, if anywhere throughout the world, mining affairs receive a perfectly honest, and a thoroughly able, administration, the want and the absence of an enlarged and authorised exposition of its progress and success is, we cannot but persuade ourselves, both injurious and inexcusable

To present the public with these returns in a tabular form, and in a manner which shall be at once concise and comprehensive, is a work to which we shall gladly devote a portion of our time, and of the space of this Journal; but the returns themselves must originate in the mining homesteads of England; and especially we gmate in the mining nomesteads of England; and especially we expect them to flow up from the counties of Devon and Cornwall. We do not see—nor have we ever seen—any sufficient reason why the mining public should not have submitted to it quarterly a statement of the progress and the proceeds of that particular branch of industry, which is the subject matter of their investments, with the same regularity and precision with which the larger public expects the quarterly account of the revenue of the State. With this last the quarterly account of the revenue of the State. With this las word or two—we leave the whole case to the judgment and industry of those who are able to furnish the accounts.

Our attention has been called, by several inquiries, to a leading article which appeared in our last week's Journal. The mine to which we then referred is situate nearer Camborne than Liskeard; and, although we have been informed that large sums of money, amounting in the aggregate to upwards of 1000£, has been neglected to have been brought forward and charged, or nevernamed to the adventurers at the meetings held on the mine near Liskeard, we did not advert to that mine in particular, but to the negligence generally (to use the mildest term) of pursers, in whom the most implicit confidence is relied on by the adventurers. In reference to the financial management of the mine now alluded to, we have some doubt as to the personal responsibility the purser has rendered himself liable, by the gross negligence manifested in the matter. And, as a general meeting will be held shortly, when we trust that all outstanding liabilities will be brought forward, we think it but justice to all parties concerned, that no prejudicial feelings should be excited by exparte statements before an explanation be afforded. Our making any reference to the matter at all, is to correct, as well as to expose, abuses; especially when distant shareholders are precluded from personally investigating the periodical accounts of those in whom the greatest confidence is placed.

GOVERNMENT CONTRACT FOR COALS.—In addition to the contract for 5000 tons of coals last week for Malta, the commissioners concluded a contract on Thursday last, the 29d inst., for delivering into the Royal Clarence victualling yard, at Gosport, 1000 tons of Welsh coals (hand-picked Bryndorway, Llangennech, and Graigola), half to be delivered by the 30th of June, and the remainder by the 31st of August next; also, for supplying the Royal-Marine Barracks, at Deptford, and the Royal Marine Barracks and Infirmaries, at Woolwich, Chatham, Portsmouth, and Plymouth, with all such coals of one or other of the following sorts, as shall from time to time be demanded, between the 1st of April next and the 31st of March, 1849:—Deptford, Woolwich, and Chatham: Lambton's or Stuart's, Hetton's or Russel's, Hetton's Wall's End. Portsmouth: Lambton's, Stewart's, or Hetton's.—Plymouth: Russel's High Main, or Usworth's and Stobart's, or Springwell's Wall's End. As usual, there was strong competition.

The Ryecroft Mine, Staffordshire—Alleged Improper Working.—In the Roll's Court, on Thursday, Mr. Turner, with whom was Mr. Amphlett, applied to the Court, upon notice, for an injunction to restrain Thomas Forrester from working a mine called the Ryecroft Mine, situate at Walsall, in the county of Stafford, in such a way, as to leave a portion of the seam of coal under that which he was getting, and also to prevent him from working the mine other than in a workmanlike manner. In September, 1888, Samuel Smith, the owner of the mine in question, granted a lease of the mine to Thos. Forrester, for 50 years, in pursuance of a previous agreement. This lease contained a power to work the mine, with power to remove the coal, &c.; it also reserved various royalties to the plaintiff, and empowered him to inspect the books. The seam of coal is called the four-yard coal, being the average breadth of the seam, and it slopes from the surface into the earth. The defendant had sunk a shaft about 34 ft.—one-half the depth of the seam—and he took out only about two yards of the water flows over the two yards underneath unworked—so that the water flows over the two yards unwrought, and the earth only about two yards of the coal, leaving about two yards underneath unworked—so that the water flows over the two yards unwrought, and the earth
and rubbish fell in, and prevented its being worked. The defendant had no
machinery to remove the water, but calculated upon the drainage of neighbouring muos. These facts were verified by several mining agents. The defendant had been served with notice of this application, but he refused to appear.—Lord Langdale granted the injunction, as asked, but gave the defendant
permission to move to dissolve the injunction on this day week, without further notice.

ALLEGED FRAUDULENT WORKING OF COAL.—At the late Stafford Assizes, two true bills were found against Mesers. Salter and Raybould, for felony, in getting the mines belonging to Mr. Caddick, solicitor, of West Bromwich. The case will be tried in London.

BRIGHTON RAILWAY.—We understand that the reduction already made in the working expenses of the two items, in the locomotive and carriage departments, will this half-year he some 16,000l. In the year, it is highly probable that the reductions altogether will reach \$5,000l., or more.—Brighton Gazette. Source Devon Armospheric system is not yet perfect. The London mail arrived at Totnes an hour after time on Sunday morning, owing to some mishap between Exeter and Newton.—West of Englished Characteristics.

orning, owing to so

PROGRESS OF FRENCH MINING INDUSTRY.

(FROM OUR PARIS CORRESPONDENT.)
atters still continue in a deplorable state. Many failu have taken place, more than one expected, and suspension of business be-comes every day more general. Among the failures are two or three in the iron trade—not the manufacturers of iron, but firms which stand between them and the retail dealers. One of these firms was of considerable importance and long standing in Paris. But do not suppose from these misfortunes that a statement, which appeared the other day in the Morning Chronicle, to the effect, that the commercial crisis was making serious ravages in the metal trade, was true. The metal trade has been, and, perhaps, will be, effected by the tremendous convulsion of February How, indeed, could it hope to escape altogether? But it has not been and will not be, affected to anything like the same extent-anything like the same proportion—as every other trade. Of all trades—all branches of commercial enterprise in this country—those of the production and sale of metals are, without question, the richest, the most firmly established, of metals are, without question, the richest, the most firmly established, the best adapted to resist any shock, even such a terrific shock as that from which France is now suffering. I told you, in the first letter that I wrote after the revolution, that metallurgic interests would suffer less than any other. Thus far, the result has proved the correctness of my assertion—for not only have all the great iron-works, in different parts of the kingdom, continued their usual operations, but we have only heard of two, or, at the mest, three failures, which, though not without importance in themselves, are still not sufficiently extensive to cause injury to the whole trade. This, surely, is a consoling fact, when we call to mind that upwards of 25 banking-houses in Paris—some of them leading ones—have been obliged either to suspend payment, or to wind-up business, and when scores of firms in every department of commerce have been laid low.

Every day's reflection and experience confirms one in the opinion, that it would be imprudent for persons having capital invested in the metallurgic establishments of this country to allow themselves to be carried away by the panie, and to sell out at once. By so doing, they would sustain an immense loss—that is certain; but, by waiting, as I have said before, they have the chance of things turning out well; and, at all events, come what may, they can hardly ever be in a worse position that they are now.

an immense loss—that is certain; but, by waiting, as I have said before, they have the chance of things turning out well; and, at all events, come what may, they can hardly ever be in a worse position that they are now. Will things turn out well? Why should they not? Think on what the last week has produced—an insurrection at Vienna—an insurrection at Berlin—insurrections all over Germany. Add to this the news received this morning of an insurrection at Milan. Now, these insurrections remove at once the danger of foreign war. It was only Austria and Prussia that would ever even have thought of picking a quarrel with France; but how can they do so now when their own people are rising against them? There is also Russia, it is true, which might not be indisposed to come to blows; but, to reach France, she would have to fight her way through Germany—and that is an enterprise which assuredly she will never be mad enough to think of undertaking. We shall, therefore, have no war—that is certain. I perceive, however, that some croakers in the daily journals, prognosticate that, by not reducing her army, and by increasing the National Guard, and by forming the Garde Mobile, France must mean to attack. With due respect to the gentlemen who write in the daily press, I think they take a very narrow and very false view of the position of France. For how could she have thought of reducing her army immediately after the revolution, especially when she knew not that she might not have three of the great powers of Europe attacking her at the same time? How could she refrain from increasing the National Guard, when her revolution proclaimed the equality of all citizens? And what was she to do with all the poor, ragged, and hungry wretches, who were swarming in the streets, except to form them into a Garde Mobile—the best way in the world of clothing and feeding them, of preventing them from doing mischief, and of rendering them useful? Besides this, why should she think of making war, when her finances are already insufficient f

that her rulers are not such madmen as to place her in such a dangerous a position.

There being, then, no likelihood of war, the only danger which remains is that of domestic anarchy. On this subject it is impossible to speak with equal confidence. On the one hand, the people appear admirably disposed—a universal desire exists to see a new constitution adopted, and with it a strong Government; on the other hand, we have an awful commercial crisis, the Government is reduced to desperate expedients to raise money, specie is disappearing, confidence all but annihilated. Yet, on the whole, perhaps, there is more ground for hope than for despondency. But whatever is to happen, I still cling to the conviction, that the best thing your readers have to do is, for the present at least, to leave their money where it is, and to be assured that the interests in which they are embarked are, and will be, less endangered than any other. Nay, some people are so sanguine as to believe that they would rather profit than otherwise by internal commotion; but this is going too far.

sanguine as to believe that they would rather profit than otherwise by internal commotion; but this is going too far.

Strange as it may appear, it is, nevertheless, a fact that, even at this period, so terrible to business speculations, there are people who broach new commercial enterprises. One of these sanguine mortals has brought me the prospectus of a company, which he is endeavouring to form, for establishing some iron-works near Bordeaux, and has earnestly begged for a recommendation to English capitalists, being convinced, as all speculators are, that his scheme would lead to certain fortune. I tried hard to persuade the man that, at such a time as this is, no Englishman would be lunatic enough to place money in any undertaking in France, however promising it may appear; but there was no convincing him. The readers of the Mining Journal, however, will not need a recommendation to abstain from all new investments in such troubled times as these.

Notwithstanding the great excitement which prevails, it is gratifying to

stain from all new investments in such troubled times as these.

Notwithstanding the great excitement which prevails, it is gratifying to find that the Free Trade Association does not lose sight of its high and sacred mission. It not only spares no effort to enlighten the public, by means of newspapers, placards, and discussions, but it has been up to the Provisional Government to recommend the adoption of its principles, at least in so far as regards the food of the people. In the reply which M. Marrast made, in the name of the Government, he seemed to think that the Government had neither the power nor the right to interfere with such grave questions at such a moment; but he promised that the observations of the free-traders should receive attention.—Paris, Thursday.

BELGIUM.—The general annual meeting of the Grande Montagne, which had been called for on the 31st inst., has been postponed to the 30th April.

had been called for on the 31st inst., has been postponed to the 30th April. It is to be held at Liege.

The workmen of the establishment of Cockerill, at Liege, recently struck work, in consequence of having been informed that the day's labour would be reduced, and the rate of pay would also be reduced. They assembled in a body, in the town, when they were addressed by the mayor. It was only, however, on being promised that the rate of pay should not be reduced, that they consented to resume work. They consented to a reduction to three-fourths in the day's labour, on being told that the commercial crisis rendered it indispensable.

The Government will shortly receive contracts for a large supply of rails, chairs, &c., for the different railways.

AUSTRALIAN COAL.—In the course of an exi uttee of the Legislative Council of New South Wales, the Rev. W. Branwhite Clerk, a Fellow of the Geological Society of London, gave it as his opinion, that there exists, in New South Wales, an ample supply of coal for all the uses of the colony. In Newcastle, U.S., the seams of coal are 19 ft. thick, and, in Illuwarra, about 10 ft. Mr. Clerk calculates that, in the Newcastle (U.S.) district alone, the available supply on 8 square miles is equal to 27,080 tons annually for 700 years. He thinks that coal would not be found in Ceylon-which is composed exclusively of granite and gneiss; but that it would be found in other islands of the Indian Archipelago—as it occurs in Bosseo. Steam navigation from Australia may be assisted by coal found at Talmahano, south of Valparaino; and also in the Upsallatra rangue of the Cordillera; and he expects that it would be detected in the mountains of the same great chain to the eastward of Copiago. Ceal is found abundantly in New Zesland, and in Kerguelen's Land. Mr. Clerk has communicated the detailed results of his investigations to the Usological Society; and no doubt these will appear in their Transactions. In a country where the climate is so mild, and wood as plentiful, as in New South Wales, it is only when coal-mines are found aufficiently near to rivers and sea-ports to be sold at a moderate rate, for steamboats, that they will be much valued in this generation. Clerk, a Fellow of the Geological Society of London, gave it as his opinion, that

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LLENGTHE STATEMENTS

was held in Paris, last Saturday evening.

The CHAIRMAN gave an account of the past operations of the company d then proceeded to explain its present position. He said that, from the extensive business of the company, the directors had been under the necessity of incurring very considerable expenses for new buildings, furnaces, &c. This had rendered the raising of a loan necessary, and this loan was in the course of being raised in Belgium when the revolution broke out. From the crisis thereby created, it was doubted whether any

loan was in the course of being raised in Belgium when the revolution broke out. From the crisis thereby created, it was doubted whether any reasonable hope of obtaining the loan could now be entertained. The position of the company, up to that day, was—liabilities, 3,200,000 fr.; assets, including stocks, bills, &c., 5,690,000 fr. But it was impossible, at that moment, to realize the stock; and if the sums due to the company should not be paid, it would not be able to meet its engagements. Some extraordinary resources must thereby be created; but if the worst should arrive, the company could avail itself of the privilege of the Belgian law, which, before declaring companies in bankruptey, allows a year's time, provided their assets exceed their liabilities. The directors had been negociating in England for a loan of 2,000,000 fr. (80,000/), but there was now no chance that it would be realised.

A Shareholder suggested, that if security could be given, the English would, perhaps, advance money.

The Directrons replied, that there was not the slightest hope of that: the English had even refused to make advances on security of stock actually on board ship. The directors added, that even if the English were better disposed to assist them, it was always a matter of considerable time to raise a loan. Now, their necessities were immediate, as it so happened that the greater part of the bills they had given fall due in April—whereas the bills due to the company do not become due until May. If the revolution had broken out in that month, or in June, it would have done comparatively little injury to the company. The debtors to the company were all substantial men—in fact, the metal trade was the most solid of any in France, and always fulfilled its engagements. It was probable, that the company would sustain no eventual loss; but, in consequence of the crisis, they must be prepared to expect demands for renewals of their bills.

A Shareholder said, that as there was no hope of obtaining a loan

A SHAREHOLDER said, that as there was no hope of obtaining a loan in England, the best way was to stop at once. Another shareholder suggested, that the creditors of the company should be asked for time. A third proposed the creation of new shares, depositing stock as security for advances made on them. A fourth recommended, that the shareholders themselves should make advances.

Some lengthened conversation took place on these different propositions. In the course of it, the directors spoke with great confidence of the eventual prosperity of the company. Even should they lose the French market, which, perhaps, was not to be expected, they were still certain of an extensive sale for their products in England and America. At length the meeting broke up, without any formal resolution being come to, but with the understanding, that the directors would do what was best for the interests of the company. its of the company.

Our correspondent, writing on Thursday afternoon, says—"The directors have decided on temporarily suspending their payments. In a circular which they have issued, they state that they are willing to place an account of their affairs before their creditors, leaving the latter the alternative of deciding whether they will accept a renewal of their bills for six months—the interest thereon being paid in advance—or whether they will receive their demands in obligations—that is, virtually turn their debts into a loan to the company.

into a loan to the company.

"The Vieille Montagne shares were done at the Bourse, on Thursday, at 205 fr., being 50 fr. more than on the previous day. Before the revolution, the shares were as high as 5540 fr."

The treaty of peace between Mexico and the United States, for which the The freaty of peace between Mexico and the United States, for which the latter is to pay 5,000,000L sterling, is likely to lead to the most beneficial results to the development of mining enterprise in that portion of the New World. The Mexicans are naturally an indolent class of people, and their great mineral resources are worked by English companies, who, unfortunately, have confined themselves to the old mines of the Spaniards, nearly exhausted, instead of exploring new ones; but the occupation of New Mexico by the troops of the United States, will give an impetus to the formation of adventuring speculators to work the well known riches of that district, which will undoubtedly prove most lucrative to the parties. Mexico may be justly called the mineral kingdom of the New World; but, in consequence of the intestine contentions of military chiefs to assume the Government, the mining industry has been nearly neglected, and confined to British enterprise; but a new era is now arising for the country thus acceded to the United States, by the treaty, extending from the Atlantic to the Pacific. The grand object of the Congress, at Washington, has, for years been to unite the above oceans by a navigable ship-canal; but through jealousy of other powers, and not being masters of the territory, it has hitherto been defeated by the various projects of cutting a canal across the Isthmus of Panama and Tenhantepec, neither of which have yet been carried out; indeed it may seem impracticable for a canal, but a railway would answer well, and, no doubt, will ultimately be accomplished, and thus throw open a short transit, and give a great impetus to the development of mining enterprise in Chili, Peru, and the whole of the western coast of South America, by the facilities now afforded by the South Pacific Steam Navigation Company, and the Royal West India Mail Company; whilst, on the northern territory of New Mexico, in all probability, ere long, the Americans will have a canal; which will be highly advantageous, not only to latter is to pay 5,000,000L sterling, is likely to lead to the most beneficial re-

CONTRACTS FOR COALS FOR THE FRENCH STEAM-NAVY.—The Provisional Government of France is turning its special attention to the present state of the national navy, and particularly the steam-vessels. The greatest activity prevails in all the arsenals and dockyards—Brest, Cherbourg, La Rochelle, Quimfer, P'Orient, Bayonne, and Toulon, where a strong squadron is ready to put to sea at a moment's notice. The machinery and boilers of all the steam-ships are undergoing a thorough inspection, and what repairs or improvements requisite to be made are to be executed immediately. In addition to the 2500 tons of English coal to be contracted for, to be delivered at Gorea, and 1200 tons at St. Louis, Senegal, for the service of the steam-vessels cruising off the coast of Western Africa for the suppression of the slave trade, conjointly with England, a contract of 6,000,000 kilos. (58,579 tons) are to be adjudicated for on the 29th inst, at 1'Orient, for the navy. The Government has also announced, that it will be ready to treat with parties for 15,000,000 kilos. of English coal, on the 22d April next, at Toulon. This demand for coal, and that British, has caused no little jealousy on the part of the great coal mine (or monopolist) proprietors of the Loire, as it proves to them that their basins cannot furnish it of the quality suitable for steam navigation—a fact they were well convinced of before; but, through the intrigues with the officials during the late Government, for the supply of the Marine Department, they thought the whole of the trade was in their hands, and that no alteration would be made in the tariff as to the importation of English and Belgian coal and iron at a reduced duty. They are, however, now satisfied that the present changes in France must lead to quite a different system of international intercourse with the other European powers and those of the New World; and, consequently, the projected revisal of the Custom Laws strikes terror to the monopolists.

CAEN STONE QUARRIES, FRANCE.—We are sorry to learn, that 200 Englishmen have been discharged from these works alone. The expulsion of English workmen from France, will be attended with a complete overthrow of all the French mechanical industry, and, consequently, England must, ultimately, benefit from these rash proceeding of our "fraternising" neighbours.

ENGLISH COPPER MINERS' COMPANY.—A meeting of holders of debentures of the Company of Copper Miners in England, was held at their offices, on Monday last. The committee appointed at the previous meeting, to investigate the state of the company's affairs, comprised five parties, only two of whom, however, have engaged to act. They had not proceeded sufficiently far with the investigation to enable them to report specifically, but enough escaped to lead to the melancholy conclusion, that there will not be a single farthing left for the holders of the company's debentures.

PATENT GALVANIA.

PATENT GALVANIZED IRON COMPANY.— In the House of Commons last night, Mr. Brotherton moved that leave be given to withdraw the petitions of John Chevallier Cobbold (presented 26th February), and of Henry Patticon (presented 1st March), against the Patent Galvanized Iron Company (Incorporation of Company, with powers to hold lands to raise money by loan, and to purchase Letters Patent) Bill. That leave be given to withdraw the petitions of John Chevallier Cobbold (presented 26th February), and of Henry Pattinen (presented 1st March), against the Patent Galvanized Iron Company, trading under the style or firm of "Malins and Rawlinsons" Bill.—The motion was agreed to.

EXPERIMENTS ON COAL—OFFICIAL REPORT,—No. III.

PENTREFELIN COAL.—This ceal is chialmed near to the village, and in the parish, of Liangwelach, and is generally known by the name of the Clyndie, or 5-ft. vois, and is worked at a depth from the surface of about 360 ft. The sam is 4f ft. thick, and way required throughout. The character of the endigatem stratum appears to be a soft under-cillf, with 5ft. of cliff over the coal, covered by a thick bed of bard and stone. The dip of the bed is 3f in. In 1 yand; the direction 156 ft. The sam is 4f ft. thick, and vay required throughout the couple of the bed is 3f in. In 1 yand; the direction 156 ft. W. It is a free burning coal, and is used chiefly at the coupper smelting-works in Swanses. The price through; and through to the copper-works is 4fs. per 11 fors, being about 3s. 9d, per ton 1f shipped as couling to the copper-works is 4fs. per 11 fors, being about 3s. 9d, per ton 1f shipped as couling to the copper-works at 4fs. per 11 fors, being about 3s. 9d, per ton 1f shipped as couling to the copper-works at 4fs. per 11 fors, being about 3s. 9d, per ton 1f shipped as couling to the copper-works at 4fs. per 11 fors, being about 3s. 9d, per ton 1f shipped as couling to the copper-works at 4fs. per 1f the coal into the thin the coal is a same could district; it makes very good claim for line-burning. The sample of coal sent the money for the coal is made up of recent and the same coal is a same coal at the coal is a same coal at the same coal is called the 4-ft. vein, and is obtained in the valley of Aberdare, near Merthyr, in the county of Glamorgan. The depth of the pit is 398 ft., and the thickness of the vein is generally about 6ft. It is worked in the form of stall and heading to the top of the pit. 1s as coal of rather a soft description, easily broken up that the coal has b

bars without caking. No clinkers were made; the ashes and cinders left were clean, and of a whitish colour.

OLDCASTLE FIERY VEIN.—This coal is obtained close to the sca-side, within half a mile of the town of Llanelly, and is worked at a depth from the surface of about 335 ft. The seam is 2ft. 6 in. in thickness, and is very regular throughout. The overlying stratum is strong rock, and the subjacent strong free-clay. The dip of the seam is 4 to 5 in. in 1 yard, in a north and south direction; the strike of the bedding being east and west. The coal is of a bituminous character, and is worked nearly half large. The colliery is situate about 1 mile from the shipping port (Llauelly). The present market price is 6s. 6d. per ton as worked, and 2s. per ton if hand-picked large. England, Ireland, and France Turnish the principal markets for the coal. The sample of this coal has a duil lustrous appearance, similar to that of plumbago. It is a softish coal, with an imperfect fibrous structure, inclined at about 50° to the line of bedding, and contains very little pyrites or white matter. It breaks up readily into masses, having flat surfaces with irregular angles. We remarked during the trial that, as soon as the fire burn up, and a high heat was obtained, a series of explosions, more or less loud, were heard throughout the day; being more frequent when fresh coal was thrown on, and gradually diminishing, both in intensity and frequency, as the coal was consumed. The tire was readily kindled and burnt well, making but little smoke or dirt. On the fire the coal swells up humediately, opens well, and cakes just enough to hold the small pieces together, without obstructing the passage of air through the bars.

WARD'S FIERY VEIN.—This colliery is situate about 1½ mile from the town of

out obstructing the passage of air through the bars.

WARD'S FIERY VEIN.—This colliery is situate about 1½ mile from the town of Lianelly, and 2½ miles from Loughor. The seam is 5 ft. thick, and very regular, and is worked at a depth of 426 ft. from the surface. The strike is cast and west, and rise north and south. The bottom stone is soft, the top a shale blue stone, with a small quantity of iron-stone mixed. It has the character of a free burning coal, and works very large. The colliery is about 2 miles from the port of Lianelly. The present carrent price is 6s. 3d. per ton as worked, and 9s. per ton for hand-picked. The principal markets are in England. This is a soft coal of a bright appearance, with a distinct fibrous structure, the direction of the lines of which is inclined to the planes of deposition, at an angle of about 450 across the planes of deposition; it appears to break very readily. Very little pyriles or white matter were seen in the sample of coal sent to us. Our remarks during the trials are, that the fire was readily kindled, and that, during the whole period of the experiments, a bissing noise was distinctly heard in the fire, similar to that produced by throwing up wetted cinders or coals. The proportion of clinker was rather large, and of a reddish colour, containing much shale.

BINEA COAL.—This coal is obtained on Binea Farm, near Loughor-bridge, in the

a reddish colour, containing much shale.

BINEA COAL.—This coal is obtained on Binea Farm, near Loughor-bridge, in the county of Glamorgan, and is known as the Binea, or Loughor Fiery Vein. It is worked by the ordinary means of picks, and without blasting, at a depth of about 240 ft. from the surface. The average thickness is about 4 ft., and the vein runs very regular, lying between strata of strong blue stone. It is but very slightly inclined. It is called a free burning coal, and appears to be used for locomotive and marine engines in the neighbouring ports and railways; large quantities are also sold in Ireland. The current price is 10s, per ton for large, and 7s. for the mixed and small. The colliery is about 3 miles from the port of Liaucily. The sample of coal furnished had a bright appearance, with some surfaces distinctly fibrous, others very irregular, apparently made up of rectangular masses, separated by numerous thin layers of shaley matter. It is a soft coal, and contains but a very small quantity of pyrites or white matter. The surfaces of deposition are well marked, and average about three-quarters of an inch apart. The lines of fibrous structure have an inclination of about 45% to the surface of deposition. The only remarks made during the trials are, that both the cinders and the ashes left were of a reddish colour, and contained a large proportion of shaley matter, which, on being moved, broke down into a fine powder. No clinkers were found either on the bars or in the ash-pit.

LLANGENECH COAL.—These coals have rather a dull appearance, are soft, and

and contained a large proportion of shaley matter, which, on being moved, broke down into a fine powder. No clinkers were found either on the bars or in the ash-pit.

LLANGENNECH COAL.—These coals have rather a dull appearance, are soft, and have a structure almost wholly fibrous, and contain minute quantities of iron pyrites, and but little white matter. Their fracture is very irregular, and the natural softness of the scales renders them easily reduced to powder (possibly this is the cause of their dull appearance.) They appear to have a great disposition to break up into oblique angied masses: the fracture across the fibrous structure resembles that of antimohy, only the grain is much coarser. Small thin plates of shaley matter occasionally occur, but of a very small size in general. The remarks madeduring the trials are, that the ashes, cinders, and clinkers were or a reddish cloudy, containing much white and shaley matter; the clinkers were very thin, and when removed from the fire-bars and thrown on the fire, they were again burnt through with some difficulty. On treating the white matter of the clinker with acid hydrochloric, a strong edour of sulphurested hydrogen was giren out. They burnt very readily in a common house grate, leaving a lighter coloured ash.

MYNYDD NEWYDD.—That coal is generally known by the name of the Penyfilia, or 5-ft. veln, and is mined near Cadley, in the parish of Llangavelach. The vein varies from 5 ft. to 7 ft. in thickness, and is worked at a depth of 306 ft. from the surface. The subjacent stratum is composed of soft chiff roof for 8 fms., with sandstone over. The inclination of the vein is 8 fm. in 1 yard, and the direction 60° St. W. The coal is of a very bituminous character, and is used for household purposes generally, and also at the copper smelting-works, at Swansea, where the current price is about 5s. 6d. for the small, and 7s. 6d. per ton for the screened and shipping. It is much esteemed for house purposes, being considered very free from sulphur. The sample of co

and sell into the am-pit. Ine proportions or clinkers, clinkers, and askets, were very considerable.

THREE-QUARTER ROCK VEIN.—This is known as the three-quarter vein, and is situate near to the Varteg Iron Company's Works. It is obtained at a depth of from 210 ft. to 240 ft. from the surface; and the vein runs from 4 to 5 ft. in thickness, and is worked in stalls and pillars. The subjected and overlying strata are clunch coal, iron-stone, balt, clay, rock, and bronstone. The dip is 34 in. in 1 yard, in a westerly direction. The character of the coal is free barning, with a pure white ash, containing little sulphur, and working large. The colliery is 154 miles from the shipping port (Newport); the principal markets are the East and West Indies, Brasils, Africa, and the Mediterramean ports, and is of a firm compact character, splitting readily along the bedding, which is often defined by layers of a soft brown matter. It breaks up very irregularly, the places are small, of a cubical shape with flat surfaces. The joints appear to be at right angles with the plane of deposition, and contains large quantities of pyrites, and a white substance of a hard, semi-crystalline appearance, which, on being examined, proved to consist chiefly of silics, with lime, magnesia, and traces of sulphur. The mass of the coal is composed of thin plates of coal, alternating with plates of shale. The sample, when received by us, seemed to have been exposed to rain, as the coal was in a very weight and the coal is composed of thin plates of coal, alternating with plates of shale. The sample, when received by us, seemed to have been exposed to rain, as the coal was in a very weight.

clinkers, and soot, were rather large. In a common five grate it burnt well, leaving a light-coloured as the control of the co

and, if moved, fall through to the ash-pit. It sees size, and to leave them on the fire without much to leave them on the man were in considerable quantity, and of a very so using mixed up with scoria and dirt of a friable well, leaving but very little ask.

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Original Correspondence.

ON THE USE OF ANTHRACITE COAL-THE STEAM NAVY. Sin,-In the Journal of the 11th inst., there appears an excellent ar ticle, headed "Experiments on Coal-Steam-Navy Economy," which I read with great satisfaction. I beg leave to recall to your recollection the fact, that this subject is by no means a new one for your columns. It is now many years since I recommended, through their medium, the use of anthracite coal as fuel for first-class steam-ships. Your valuable Journal anthracite ceal as fuel for first-class steam-ships. Your valuable Journal is entitled to the credit of having first directed attention to the subject of economising fuel for steam navigation. I trust that now the importance of your periodical is fully appreciated. Conducted upon the principle of allowing free discussion on a certain class of subjects, it affords to the more humble and inexperienced an opportunity of publishing occasionally a crude idea to be taken up, and improved upon, by more experienced and talented individuals—leading, ultimately, to the adoption of plans embracing matters of national importance. I have always entertained the idea, that anthracite coal would, at some period, be used on board the Government steam-ships; it possesses so many advantages. The reason why it ing matters of national importance. I have always entertained the idea, that anthracite coal would, at some period, be used on board the Government steam-ships; it possesses so many advantages. The reason why it has not as yet been used, is, simply, because it requires a different mode of treatment to produce full effect to that in use for bituminous or free-burning coal. Anthracite can, certainly, be burnt on common grates, and with the ordinary draft of a chimney; but, with equal bulk of boilers, steam can never be generated so rapidly in that way by authracite as by bituminous or free-burning coal. But the adoption of the plan of working the boilers of marine engines by blast, will at once obviate every difficulty in burning anthracite—while it will be attended with many advantages besides. In my opinion, perfect combustion can be attained only by means of a blast. In hoisterous weather, a blast must be much more certain and steady than the draft of a funnel. Prejudices against its use may, and I know do, exist; but these must be quickly dispelled. Any objections to its practical working are too frivolous to be long entertained by a liberal and enlightened body of officials.

In advocating the use of anthracite as fuel, it must be borne in mind, that I confine myself to the largest class of steam-vessels. A separate engine should be used for the blast, which in such cannot be any objection—that is, not commensurate with the advantages of an improved mode of firing, and the use of anthracite coal. Should the plan of a separate engine, to work a blast for the fires of marine engines, be hereafter entertained, I am prepared with a new form of fire-place and boiler, quite on the locomotive principle—a complete tubular boiler—with which, and anthracite for fuel, I have no hesitation in stating my firm conviction, that, for a given term of service, the bulk of boilers, and the bulk of thell, in the reduced to little more than one-half what they are at present on board, the Gevernment, and other large steam-ships,

the Gevernment, and other large seam-sings, to steam for a much greater distance than they can now, without calling in at some depôt for a fresh supply of fuel.

The remarks in the article to which I referred, at the commencement of this letter, are so just and pertinent, that further comment on my pare would be needless to point out the great importance of this subject. For many years I have devoted my humble ability, and the small means I possessed, to this subject—the more extensive use of anthracite—regarding it as a fuel of great value, and possessing some very peculiar properties, mere especially for treating metals and the volatile products of some ore—as sulphur, arsenic, and zinc—the total absence of all gas, or volatile matter, that might interfere with these, being a great advantage. For smelting iron, anthracite, unquestionably, would be a powerful fuel, if its peculiarities were understood and properly directed, which is, at present, far from being the case—the poorest veins only being made use of. These contain about 20 per cent, of ash, or earthy impurity, by my simple mode of analysis, which is by exposing the coal in fine powder to a red heat in an iron ladle as long as any combustible matter remains. This poor coal holds together better than the richer veins, which shiver to pieces when suddenly heated, as the coal is now on being thrown into the burning gases at the open tops of the furnaces—and thus choking up the furnaces with small dust. I have subjected the ash of the dhugaled, or black vein, to further trials, and found a large proportion soluble in a solution of caustic potash, proving it to be alumina. This poor vein of coal may prove of value on that account, by furnishing alumina to ores containing a great excess of silica. No attention is paid by the ironmasters generally to the composition of the various veius of mine or ironstone, from the universal want of chemical knowledge; this is ridiculed by all parties engaged in smelling iron, and looked upon as visionary. For my part, I r

SIR,-I wrote a letter, last week, on the use of anthracite coal, to which I am now induced to add a few further remarks, in consequence of reading, in the Mining Journal of the 18th inst., a continuation of the interesting paper, "Experiments on Coal-Steam-Navy Economy." The gentlemen, who have conducted these experiments, observe very justly "that men, who have conducted these experiments, observe very justly "that the true practical value of coals for steam purposes depends upon a combinations of qualities;" and they sum these up under six heads, or conditions, remarking, that "it never happens that all these are united in one coal." They then refer to anthracite, giving it full credit for many valuable properties; but conclude with the remark, "it has disadvantages which, under ordinary circumstances, preclude its use." This is so far just. In my former letter, I state the necessity of using a blast to produce full effect with this fuel; but omitted to mention the use of steam, or vapour of water, as an essential part of the principle which I have long advocated. On this occasion, I speak of a general principle—not of any particular mode of application. By this departure from ordinary circumstances, anthracite would be put in possession of all the requisite conditions set forth in the report, and would prove superior to any artificial or compound fuel. white substance of a hard, semi-crystalline appearance, which, on being examined, proved to consist chiefly of silica, with lime, magnesia, and traces of sulphur. The mass of the coal is composed of thin plates of coal, alternating with plates of shale. The sample, when received by us, seemed to have been exposed to sain, as the coal was in a very west state. Our remarks during the trials were, that the fire kinded freely, but required a strong draught, making much smoke at first of a dense black nature, which, as the fire burnts up in the course of the day, assumed a reddleb-brown tint. It caked quickly on the fire, and coked easily on a dead plate, much sooty matter was deposited on the top of the dead plate, and also in thin leaves adhering to the top of the fire grate. The cinders and ashes, when thrown up, burnt well. The proportions of residua, ash, chales, clinkers, and soot, were rather large. In a common fire grate it burnt well, leaving a light-coloured ash.

GRAIGOLA COAL.—This coal is known as the Gringola coal, and is obtained at Grargelson, on the cautern side of the river Tawe, about on lies from Swansas, in the hamlest of Thisymond, parish of Cadoxton juxta Neath. It is worked by short work—by holing in the mader coal, and in the face of the cilips; the object being fogs as great a proportion as possible of large coal. The scans are worked by level, and are about 5 ft. 9 in. in thickness, running very regular; both the under and overlying strate being a hard and solid sandstone. The inclination is about 3 in. in 1 yard, or 1 in 12, with a north rise. The coal is described as a free burning coal, with little smoke or sulphur. The carront produced in described as a free burning coal, with little smoke or sulphur. The carront produced in described as a free burning coal, with hilles smoke or sulphur. The carront produced in the coal is described as a free burning coal, with little smoke or sulphur. The carront produced in the coal is described as a free burning coal, with little smoke or sulphur. T

RAILWAY AND COMMERCIA

to all weathers for 10 years to my know not. T. H. Leighton.

RECENT DISCOVERIES IN ELECTRICITY.

Sig.—In remy to the episte of Dr. Murray, recorded in your Journal of Saturday as I wish it to be understood that, as I am deeply interested in the progress and development of liectrical science, I have no disposition to leave the track of obs previous argument, for the purpose of entering into any disquisition upon philological niceties. Nevertheless, I cannot allow it to be supposed. not allow it to be supposed, that I acquiesce in the validity of your corre spondent's opening observation, that I have "failed to recognise the legitimate sense of the term theory." I, therefore, subjoin a few pertinent retimate sense of the term theory." I, therefore, subjoin a few pertinent remarks, which I have endeavoured to confine within the strict limits of politic controversy. If a man speaks to me of a "proposed theory," I certainly do not understand him to be talking of any established fact; yet such was the expression of Dr. Murray, and such appears to have been the meaning which he intended to convey.—(Vide Mining Journal, March 4 and 18.) Moreover, he refers to Lord Bacon, and lays it down as the maxim of this illustrious author, that "a theory must be founded on facts, and spring from them." Granted; and so must a house be built upon a foundation; but such subordinate dependence does not constitute identity. Theory is not merely "systematised facts"—it is something beyond this; and the views of others seem to correspond with my own.

"Your theories are here to practice brought,

"Your theories are here to practice brought,
As in mechanic operations wrought."—DETDEN

"Now, theory is a general collection of inferences drawn from facts, and condense principles."—Para: Sequel to a Printed Paper.

"Weary with the pursuit of scademical studies, he (Collins) no longer confined selfts the secret of theoretical knowledge; but commenced, the scholar of humanity, to Nature in her works, and man in society."—Langhorne: On Collins' Ode—"The Manie

"Now, theory is a general collection of informers a favan from facts, and condensed into principles."—Fasa: Soyul to a Pristed Paper.

"Weary with the paramid of seadments station, he (Collins) to longer confined himself, when the paramid of seadments station, he (Collins) to longer confined himself, when the principles are the configuration of the principles of the mention of the principles of the projective which seeks to collect does of the menting of this word, than as being an expression for a speculative conjecture founded upon facts—a conjecture which seeks to collect these facts into one focus, and to exhibit them as the natural or probable results of some common principle, real or imaginary, in order that apparent complexities may be simplified to the understanding; and that the mind, grasping the chain of connection so established, may be led on to form logical conclusions, terminating in the extension of experimental truth.

There is, and can be but one true explanation most every branch of natural knowledge. How is this? In the science of heat, we have the material theory, and the vibratory theory. In that of light, we have the theory of projected corpuscles, and that of undulations. The phenomena of electricity are referred by some to the theory of Franklin; by others to that of Dufay. There are the contact and the chemical theories, for the explanation of voltaic phenomena—while magnetism boast the theories of Epinus, Poisson, and Ampere; but I will not multiply examples. Does your correspondent require authority? Let him refer to the writings of Herschel, Browster, Barlow, Rojet, &c., &c., &c.; but the doctor himself appears to be afterwards dublous of the stability of his own inferences, and inclined, as he says, to lean to the logic of Liebig—that even what we may estem facts, have to do with present, rather than future, knowledge. And the fore the mind, unbased upon any previous demonstration, or axiomatic truth—a flims; unsubstantial fabrication. An edifice, moulded by untrammelled thought, a

bild piece of railway engineering—the inventor being sent about his business, should be have any other to attord; the necessity of which will, in fact, be apparent even at first thought.

Sus.—I must view the genius of the pamphlet on this subject in a fair different light to that which it is your pleasure to entertain of it. Nemo norbidism, omnibas heris aprit, is here, between nullor and critic, beautifully exemplified. Although I cannot agree with "Carbonicus" that vegorable debris underwent a charring action ere it was entombed in appointed graves, yet must I also disagree with his critic, in his hypercriticism on this assertion, and by the counter assertion, that coal does not contain an atom either of sulphurreted or carboreted hydrogen, or tar, or yet of ammenia, as such, but merely bedies by whose ignous decomposition and resolution the elements of these new compounds are nascent. Our analysis ofocal runs thus: in place of so much carbon, hydrogen, aste, aste, and a cardinals.—I. A resinoid, non-acotised mater, analogous to amber, with ree earbon, resulting, probably, from the amplaceous and injudy of the components of sea-water, even to trace of fodine and browing election and potash.—W. Raplexy, Ch. E.: Cloak-lane, City, March 20.

A UNIVERSAL DELUGE-DR. MURRAY AND D. GERARD.

A UNIVERSAL DELUGE—Dr. MURRAY AND D. GERARD.

Sir.—Your excellent correspondent, Dr. Murray, in last week's Journal states, that D. Gerard "met with a bed of fossil oysters, at an elevation of 16,000 ft. above the Indian Ocean, among the Himalaya range, in the eastern hemisphere." As I possess specimens of these fossils, collected by this celebrated traveller, I beg to observe that, although, to use the language of D. Gerard, they are "marine shells, resembling oysters," they are not "fossil oysters," but belong to a genus closely allied to productus, and which I have named Strophalosis Gerardi, in a paper of mine, published in the Annals of Natural History, vol. xviii., pp. 39-94. From the way in which these so-called "fossil oysters" are introduced by your correspondent, it might be inferred, that they belong to a late geological period, and are supportive of "a universal deluge." I may observe, however, that they are true Palecozoic fossils, probably belonging to the carboniferous, or the Permean epoch, and have, therefore, no bearing on the diluvial question. As D. Gerard's account, wherein these shells are mentioned, is not generally known, and as it is descriptive of ore of the grandest geological phenomena on record, I have availed myself of the opportunity of transcribing it for your columns. I am the more induced to do this from the conviction, that the mining profession (of which the Mining Journal is a valuable representative) can only be safely pursued when based on an extensive knowledge of geology.—W. Kinc: North of England Museum of Scientific and Economic Geology, Newcastle-on-Tyne, March 20.

Museum of Scientific and Economic Geology, Newcastle-on-Tyne, March 20.

"The geological structure of the Spété district commands a high degree of interest from its numerous fossil remains, and the irregular elevation and magnitude of the scenes which represent them—the mountains, in many places, appearing to be formed entirely of shells and their exuvie. Specimens of these fossils have been sent by me to Calcutta, where, no doubt, they will have been duly appreciated and elucidated by those who are more conversant than myself with the subject of fossil concology. Some of the fragments were broken from masses of rock, lying at the foot of a cliff, from which they appeared to be detached, at a height of 15,000 ft. The tliff rose like a wall abruptly from the river, but its eastern side sloped off from a crest 16,500 ft. high, where some ammonites* were found. Illness, and the langour produced by such an attenuated atmosphere, prevented my taking every advantage of my visit to this interesting region, and my journey was terminated by the limits of the British territory. Just before crossing the boundary of Ladah and Basáhér, I was gratified by the discovery of a bed of marine sheels, resembling oysters, and clinging to a rock in a similar manner; but the suspicions of the Chinese prevented my bringing away many specimens. The loftiest position at which I actually picked up some of the shells was on the crest of a pass, elevated 17,000 ft., where also were seen numerous blocks of calcareo-siliccous matrix. I was not able to pass more than a single day at this interesting spot, but I brought away numerous fragments of the rock."—Asiatic Researches of the Bengal Society, vol. xviii.

* I possest two species of these ammonites, one of which bears a close resemblance to the A. elegans, so common in the perassic rocks of Yorkshire and elsewhere.

* I possess two species of these ammonites, one of which bears a close resemble A. elegans, so common in the perassic rocks of Yorkshire and elsewhere.

LEATHER, RINGING STONES, &c.

LEATHER, RINGING STONES, &c.

SIR,—The allusion to a patent taken out for the manufacture of leathers in a former Number of your Journal, reminds me of a plan I once recommended for impregnating the pelt with tannin. The skins were enclosed in boxes or cylinders, made air-tight; steam occupied the space, and, by an injection of cold water, a vacuum was formed, which was subsequently filled with the tanning ooze: by this simple arrangement the hides were impregnated immediately and completely, on the principle by which quicksilver is forced into the pores of wood, by the rush of air into the attenuated medium of the air-pump—the wood being immersed in quicksilver. I also found that leather was best "bloomed," as it is termed, by the use of oatmeal; and a tanner, many years ago, employed this method in the blooming of the leather he sent to Leadenhall market.

In the paragraph in your last, referring to the "musical stones," near Pottstown, U.S., it is stated, "no such phenomena is to be found in any other part of the world." Permit me, however, to remind you, that the "ringing stone" in the Island of Mull, in the Hebrides of Scotland, is precisely similar, and equally remarkable.

The words, "employed his time to much better purpose than in hatching mites," should have been in inverted commans, being the inference and words of the Editor of the Morning Herald.

I beg to add, once for all, I must decline noticing, in any way, whatever comments or remarks my generalised view of the geological evidence of "a universal deluge" may elicit.

J. MURRAY.

Portland-place, Hull, March 21.

NEW TELEGRAPH-MAGNETISED RAY OF LIGHT.

NEW TELEGRAPH—MAGNETISED RAY OF LIGHT.

Sir,—I had the pleasure of witnessing a few experiments performed a short time since, by which rays of light were magnetised—the discovery of the celebrated chemist, Dr. Faraday. The effect produced on the ray when transmitted through a concentrated lens, placed between the poles of an electro-magnet, with a powerful galvanic battery applied, was as follows:—The ray of light thus transmitted appears to be deflected by the influence of electricity, precisely in the same manner as the magnetic needle, with this exception, that a greater galvanic power is required for the former. I am led to imagine, that a ray of light thus magnetised, will, ore long, supersede the use of the magnetic needle in conveying telegraphic signals. The power of galvanism, as applied in this case, is certainly so enormous, as to constitute an objection; yet, as almost every day brings to light some new discoveries in the application of galvanism, this objection will, doubtless, be obviated sooner or later. It must be borne in mind, that from the time when Prof. Oersted first discovered the electro-magnetic meridian (from which the delectroin, many years have elapsed. Should any of our electricians succeed in equalising the expense of deflecting the magnetised ray of light with that of deflecting the magnetised ray of light with that of deflecting the magnetic meridian is action than we find it to be at present under the use of the needle.—G. Shepherd, C.E.: Fleet-street, March 16.

THE RIVER DEE RAILWAY BRIDGE.

THE RIVER DEE RAILWAY BRIDGE.

RESPECTED FRIEND,—The discussion which has lately taken place in the Legislature, in respect to the crazy cast-iron bridge across the Dee, proves—firstly, that this structure is nearly in the same state as it was six months ago; and, secondly, that travellers have no predilection for having their heads broken, or for the most remote prospect of such an adventure; and as no one has proposed a plan for constructing a bridge in this locality, which would be sufficiently strong to permit the trains being driven at a high speed, without danger of running at a still greater speed in a perpendicular direction, I may be allowed to suggest an improved mode of constructing railway bridges. It will be, of course, essential that the "eminent engineers" pronounce the principle sound, previous to its being adopted; and, as they would not, probably, wish to do so, unless the invention was to be considered as their own, they may make some slight modification, as usual, in its form and mode of placing the structure in its position; after which, they may have the chance of its being pronounced a bold piece of railway engineering—the inventor being sent about his business, should be have any other to attend; the necessity of which will, in

of span, four might be required. I would place an elastic platform on the top—such as has been already described in the Mining Journal. I may here explain, that the section of each beam would be a tube, divided in two equal parts, by an iron plate, placed on edge in the line of the transverse section, and these two parts filled with timber. It might be worth the attention of the professors, who have already experimented on the strength of wrought-iron tubes, to ascertain the amount of weight and concussion they would bear; and I am confident that the weight and hammering which they would bear, would be infinitely greater than if constructed of any other form, with the same weight of materials; but should they make these experiments, it is to be hoped that the result will not be published until the whole would be completed, so as to avoid two contrary opinions being given—leaving the public to guess which is the right one.

Liverpool, 3 mo. 21.

PRESERVATION OF RALLWAY VIABUICIS—ASPHALTE.

PRESERVATION OF BAILWAY VIADUCTS-ASPHALTE.

PRESERVATION OF RAILWAY VIADUCTS—ASPHALTE.

RESPECTED FRIEND,—About nine months since a letter of mine was published in thy columns, on the destruction of railway viaducts, by allowing the rain to penetrate through the brickwork—a defect, which I saggested might be obviated by covering the arches with asphalte, and on which my friend, George Shepherd, C.E., stated that this plan was adopted on the railways in Austria. It seems, however, that in England, where all great discoveries in mechanical science have originated, this simple mode of preventing disastrous accidents is rejected; and thus, in spite of dearly-bought experience, we frequently hear of viaducts falling just after being completed; the old tale is then again brought to light—there was no defect whatever in the structure, but the heavy rain, &c. Now, possibly, the engineers imagine that asphalte is a very costly substance, and that to rebuild a viaduct a second or third time is the most economical plan—if so, it might be worth while the secretary of the Asphalte Company taking the trouble of sending a circular to the engineers of the different railways, stating the price per pound, and the allowance made on taking a ton. There may be, however, some difficulty in discovering who are the responsible parties, as the directors may throw the responsibility on the engineer, the engineer on the contractors, and the contractors on everybody; yet I would suppose that the engineer engages to see the works completed in an effectual and economical manner. Some time since, Sir John Rennie, in a speech at the Institution of Civil Engineers, stated, that the engineers of England were well known for their "eminence and probity;" but many of them will have to keep a sharp look out, if they think these qualities of any value, or worth the trouble of retaining.

Livsrpool, 3 mo. 21.

REFORM OF THE PATENT LAWS.

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REFORM OF THE PATENT LAWS.

RESPECTED FRIEND,—I observe, with great pleasure, that Mr. Campin is about to call the attention of the Legislature to the present state of the Patent Laws—laws so defective, that in a vast number of cases, they can afford no protection to inventors. In the first place, the enormous expense attending the grant, prevents the greatest number of inventors from applying for protection; secondly, the comparatively small number of years during which the protection extends, frequently renders the law a dead letter, as many important inventions are not generally adopted until the expiration of the patent—witness Witty's oscillating engine; and, thirdly, the expensive mode of obtaining redress for infringement of patent right, renders it no easy matter for an inventor to avoid seeing his inventions pirated. It seems strange, indeed, that England, which owes so much to the progress of science, should be behind every other country in affording protection to inventors—peer or journeyman. I have lately received several letters from inventors from among the latter class, both from Liverpool and from other parts of the country, requesting me to advise them as to the mode by which they can bring out their inventions with advantage to themselves and to the public; but, of course, their only plan, if they study their own interests, is to abandon their inventions altogether, as the law virtually says, that persons who have no property have no right to inventior that, if they trouble themselves about inventing, any individual may plunder them of the fruit of their researches. Yet a vast number of inventors have no property; for those who study science, for its own sake, seldom accumulate fortunes; or, in other words, individuals who have the percepplunder them of the fruit of their researches. Yet a vast number of inventors have no property; for those who study science, for its own sake, seldom accumulate fortunes; or, in other words, individuals who have the perceptive and reflective organs strongly developed, have seldom the organs of acquisitiveness large—the former being the intellectual organs, and the latter the animal; these facts are well known to phrenologists. Thus it is that many rich blockheads arrive at "eminence," merely by having the latter organ as large as all the others together. Principle being sacrificed to avarice, the original inventor has been plundered; and then, by means of the wealth which their baseness purchased, have sought for impunity for their dishonesty. If it be true, that there is "a good time coming," it is to be hoped that it will be a time when the inventors themselves, and not pirates, will reap the benefit of their researches and their toil.

Liverpool, 3 mo. 21, 1848.

John De La Haye.

IMPROVEMENTS IN REFINING SILVER-LEAD. ecification of patent, granted Sept. 23, 1847, to Arthur Harry Johnson, of Gresham, London, assayer, for improvements in refining silver-lead, by effecting a saving in f the materials used.]

(Specification of patent, granted Sept. 23, 1847, to Arthur Harry Johnson, of Greshamstreet, London, assayer, for improvements in refining silver-lead, by effecting a saving in one of the materials used.]

This invention, which must commend itself to the notice of lead smelters, as one calculated to effect great economy in their establishments, consists in the following method of restoring after use, and rendering again available, the phosphate of lime or bone-ash, whereof the cupel or test is composed, which is used by refiners of silver lead, and is, in their process, saturated with lead, and a portion of silver. To extract this lead and silver, the course as yet usually adopted is to return the used cupel to the furnace, by which means the whole of the saturated bone-ash is destroyed; while a portion of the lead and silver, combining with the phosphoric acid of the bone, passes off, and is lost. By this improved method, little or no waste occurs of either the bone-ash, silver, or lead. To carry out the invention, a solvent of the oxide of lead is used, and the process recommended by the inventor is as follows:—First reduce the used cupel to a tolerably fine powder: then add to it a sufficient quantity of pyroligneous or acetic acid, varying from the specific gravity of 1 009 to 1 048, according to the per centage of lead contained—so as to render it of a thin consistence, that it may be thoroughly stirred, which is to be done by means of a dolly-tub, or some such convenient machine, or by allowing the acid to percolate through the powdered test. After allowing the powdered cupel and acid to remain together for two days (during which time occasionally stir them well together), the bulk of the lead becomes dissolved. Next turn the mixture into cloth or flannel filters, or other convenient percolators, so as to allow the lead solution to drain off; this done, remove the remaining soluble salt of lead, by washing with water, and by the application of pressure, previous to drying the resulting one ash.

By the pr

form respectively the carbonate, the sulphate, the sulphuret, or other compounds of lead that may be desired. In place of the pyroligueous acid, a solution of caustic potash may be used, or soda, containing about 20 per cent. of the pure alkali; but this, the inventor states, he has not found so useful in practice.

Patent-spice and Designs Registry, 210, Strand, March 22.

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Transactions of Scientific Bodies.

MEETINGS DURING THE ENSUING WEEK.	March et
Tans Day Royal Botanic-Inner Circle, Regent's-park	
MONDAY Geographical S. Waterloo-place	
Medical—Bolt-court, Fleet-street	8 P.M.
Turspat Medical and Chirurgical -53, Berners-street	8 P.M.
Chemical—Society of Arts, Adelphi	8 P.M.
Civil Engineers-25, Great George-street	
Zoological-11, Hanover-square	
WEDNESDAY Microscopical-21, Regent-street	
THURSDAY Royal-Somerset-house	
Antiquaries—Somerset-house	8 P.M.
FRIDAY Royal Institution—Albemarle-street	81 P.M.
SATURDAY Asiatic-14, Grafton-street	2 P.M.
Westminster Medical 17, Saville-row	8 P.M.

On Mining, & the Practical Applications of Seological Science. ANSTED'S LECTURES AT KING'S COLLEGE

LECTURE XVIII.-MINING FOR METALS CONTINUED-THE DISCOVERY AND RECOVERY OF MINERAL VEINS.

sor Ansted commenced his lecture by saying, that having now con aidered the principal phenomena connected with, or having reference to, mine ral veins, and the various circumstances under which they were found in the crust of the earth, the next part of the subject would be the discovery and recovery of mineral veins; because, if the aspects and conditions under which they might be expected to be found were unknown, a knowledge of their ad an idea of the mode of their production, would be of little practical value. The most important of all knowledge, in a practical sense, was that which enabled us to make use of our discoveries and researches; and so in scientific mining a practical application of science was indispensable. A prac tical knowledge, then, of the circumstances under which mineral veins existed, was a guide to the appearances which might lead to their discovery; and it sary that a certain set of facts should be remem the first place, it must be borne in mind, that those mineral veins which contain metals were limited in geological distribution; and that those crevices to which he had already referred so often, whether of the nature of open gashes the result of contraction, or deep fissures, the result of faults, existed very frequently without mineral veins. A geological examination of the country was therefore necessary, in order to decide upon the probability of their presence before looking for mineral veins with any reasonable expectation of finding them. Secondly, sets of them had commonly a distinct and definite direction -a most important fact in determining the probability of finding those lodes which were most valuable. Thirdly, the individual loles were limited, not only in direction, but also in their extent-a fact which, though net universally rtainable, was of great value in deciding upon the chance of finding them This rule was, at any rate, so general, that it might be taken as a matter of fact, that all productive veins had definite compass bearings. Again, mineral veins almost invariably intersected the surface. They were, then, limited in geological distribution, they had a definite direction and compass bearings, and they intersected the surface. These were all points upon which the discovery of mineral veius in a great degree depended, so far as this discovery was expected from actual calculation and knowledge of probabilities.

Veins had no doubt been found, in past times, more frequently by accide Veins had no doubt been found, in past times, more arequising by accusing than otherwise; but, when sought for, there were circumstances under which they might be safely looked for, or at least in which there was so much probability of finding them as would make it worth while to enter upon the search. They were sometimes found accidentally by exposure at surface; and sometimes naturally, by the outcrop of the beds; but this inter was so seldom the case, that a kind of search, founded on this possibility, was often advisable. They were found naturally when laid bare by a river, or exhibited on the face of a sea-cliff. A vein might also be accidentally laid bare in cutting a road, or other operations of that kind. A diagram was exhibited by the lecturer, representing an actual road section, near Penry, n which an elvan dyke was thus cut through, and this showed that a mineral vein might have been laid bare under similar circumstances. And so, again, in countries where mineral veins were large and prominent, the appearance of the surface betrayed their presence in some cases, where the ore was unfavourable to vegetation. This was not so much the case in England, where the veins generably were small; but at Fohlun, in Sweden, for instance, where the magnitude of the vein happened to be enormous, a mere glance at the surface would be sufficient to show the existence of the mineral veins. The natural exposure of veins in this way, or in rivers, on cliffs, or at road-side cuttings, were, therefore, means which might be fairly resorted to; and thus these veins might be sometimes found accidentally. When veins were thus manifest, there was of course little difficulty in determining the fact of their presence; but there were other ways in which a little more labour and knowledge were required. A very common mode of discovering a metalliferous vein which crossed a river, or near which was a numing stream, was by observing particles of the metalliferous ore in the stream. This process often led to the discovery of veins. than otherwise; but, when sought for, there were circumstances under which they might be safely looked for, or at least in which there was so much probability of finding them as would make it worth while to enter upon th

These, however, were not the usual means of discovering lodes—something more universal and more mechanical was necessary. There were accordingly two or three modes in general use of a more practical character; the simplest, and, in some districts, the most usual, was by tracing the existence of the lode, by taking advantage of the great specific gravity of some metallic minerals. When a metallic voin outcropped on a hill side, or in various other positions, the action of a current of water would gradually wash away the surrounding materials, leaving the lode behind for a period, that being harder than the rock. In course of time this would be decomposed, and carried away also, but deposited not far off—its specific gravity being heavier than the gravel with which it would be associated. By an examination of this gravel, the metal might be traced back to the spot from whence it originally came. This was called shoding, and it was a system which had been in use from the earliest period; it was known to the Romans when they conquered England, and it was peculiarly applicable to Cornwall, where the over abound. Tin ore, particularly when in the form of oxide, had a very high specific gravity; and, consequently, when particles of this ore are carried away by water, they readily and soon become separated from the gravel, or other material, with which they may be at first mixed up; they are thus deposited in any hollows over which the mass is conveyed. Of centrac, those fragments which were the largest would be carried the shortest distance; while smaller pieces would be often curried with the sand entirely away. In many parts of Cornwall a considerable quantity of

metal was obtained from thes disposits, and it was from this circumstance called stream in A person accustomed to the mediliferous produces in this shape, coaled than sadily determine whether the anile of rivers and dreams was wanted to discover the lode from whome it came, they would proceed up the stream, chooly againsting the sand all the while. After a time, as they appreached the lode, the tragester has a stream of the control of th

but, in a country not stratified, it was difficult to find out what was the nature of the fault, or where to look for the vein again. It might have been lifted in one direction or the other—it might have been heaved or removed sideways; and in this doubt consisted the main difficulty.

When the circumstances of the fault were once known, the vein might be traced without hesitation in the depth. It was, generally speaking, necessary in searching for a vein which was lost, to look at the direction of the slide or fault, and take the acute angle; but, it frequently happened in Cornwall, which had been much disturbed, that, after the vein was thus recovered, it would be found disturbed again and again before the first movement was followed out, and many complications were thus introduced. The general rule, however, was to take the acute angle, and it was always advisable to attempt that as the surest course.

was to take the acute angle, and it was always advisable to attempt that as the stress course.

These were the principal things to be observed with regard to the recovery of veins, except that careful mathematical calculations might be introduced with advantage in some cases. French and German miners had paid great attention to this point, and had compiled formule, for calculating the places where veins, which had been lifted, might be expected to occur; it was, however, often better determined by actual experiment. One circumstance should ever be borne in mind—when a vein was lost, it was lost for one or other of certain reasons, which might be known; and when the cause was once discovered, the recovery of the vein was comparatively easy.

[The following lecture, which relates to the best modes of determining the value of old mining property, or abandoned mines, will be given at length in our next week's Mining Journal.]

INSTITUTION OF CIVIL ENGINEERS.

MARCH 21.—JOHNA FIELD, Esq. (President), in the chair.

The discussion on Mr. Rankine's paper on "Sea Walls," was continued. Le read from Mr. Maclean, describing the Barras and Fiel see embankments; and Macdougall Smith, on the importance of using stone of great specific gravity in —Mr. BATEMAN stated the necessity of using hard and fough stones, which we disintegration by the friction of the shingle moved by the waves.—Mr. Muxa borated the statements of Mr. Bateman, and recommended groynes as the best collecting sand and gravel, to protect exposed coasts, and the foundations of aca Mr. BANKINE replied to some of the remarks which had been made. He referred Scott Russell's paper on sea walls, as being partly confirmed by his observat disavowed the intention of laying down universal rules for the construction of her field of the construction of machine the state of the construction of machine the state of the construction of machine the state of the construction of the field of a stone embankment formed an artificial beach, on which a vertical founded.

The name was an advantaged and artificial beach, on which a vertical founded.

the top of a stone embankment formed an artificial beach, on which a vertical wall founded.

The paper read was descriptive of "A Method of Setting out a Railway Junction, A. Beaulands. The object of the paper was to supply a methodical rule for setting that portion of a branch line of railway included between the rails of the main line. The author observed, that in all ordinary cases the curve of a branch line could no set out from the main line, which was supposed to be straight, by the ordinary med of setting out railway curves, since the junction was required to make an offset of 5 h.o. on the length of the awitch rail, which was round greater than the offset made f the taugent in the same length by a curve of moderate radius, so that it was necessar make the junction line start abruptly at a finite angle with the main line. He, theref considered the junction-curve, to be determined by its passing through three given po—namely, the two extremities of the switch rail, and the furthest point of crossing; from these data, he showed how the radius and centre of the circular are might be for as well as the positions and angles of the various crossings. To render the method an easy of application, the author gave a table, calculated from the principles and formiald down in the paper, assuming an ordinary form of the switch, and a serie waives of the lead, a distance of the furthest crossing extending to the greatest likely to occur in practice. In the course of the discussion which ensued upon method, as compared to the ordinary system of setting out junctions by a comparative empirical rule, well understood and practiced by the platelayers on railways, Mr. Wy switch was alluded to, and exhibited. In this switch all notching and inequality in bearing surfaces of the fixed rails were shown to be avoided, by the ends of the tongues be consequently at their points, and for some distance beyond them, lower than the fixed rails were well with all notching and inequality in bearing any of the weight of the passing trai

The paper announced to be read to the meeting on Tuesday evening, the 28th March, as 'An Account of the Engineering Works upon the Rivers Moure and Morelli," by I. B. W. Jackson, Assoc. Inst. C.E.

ROYAL INSTITUTION OF ENGINEERS AT THE HAQUE.—Some time since, about 200 persons, civil and military engineers, officers of the staff of artillery, architects, professors of mathematics, chemistry, physics, &c., requested of the Government of the Netherlands the authority to form an association, entitled Engineers' Institution, for the purpose of devoting themselves to this branch of science, and of improving it by every means. His Majesty immediately sanctioned the establishment of this institution, to which be gave the title of Royal Institution of Engineers. The Crown Prince, William of Orange, readily placed himself at the head of the new institution, with the office of protector and president. An institution commenced under such favourable circumstances promises the happiest results, and may prove of the most essential service to the country which gave it birth.—Journal de la Haye, March 21.

Electric Telegraph.—An interesting series of lectures on electricity and

yjee to the country which gave it birth.—Journal de la Haye, March 21.

ELECTRIC TELEGRAPH.—An interesting series of lectures on electricity and electro-magnetism, by Mr. Noad, so well known from his admirable work on the subject, were brought to a close at the London Mechanics Institution, on Wednesday evening—the lecture concluding with a review of the system of electro-galvanism, as applied to telegraphic purposes. The experiments were well selected, and the working of the telegraph was exhibited with two instruments, on the principle of Messrs. Brett and Little's recent patent, of which the lecturer spoke with considerable approbation. The lightning-conductor, patented by the same inventors, Mr. Noad pronounced theoretically perfect. Messrs. Brett and Little's telegraph alarum, for the prevention of railway accidents, was also introduced, and approvingly commented upon by Mr. Noad.

The Electric Telegraph Applied to Domestric Purposes.—Our attender.

the lecturer spoke with considerable approbation. The lightning-conductor, patented by the same inventors, Mr. Nond pronounced theoretically perfect Messrs. Brett and Little's telegraph alarum, for the prevention of railway accidents, was also introduced, and approvingly commented upon by Mr. Nond.

I THE ELECTRIC TELEGRAPH APPLIED TO DOMESTIC PURPOSES.—Our attention has been directed, by some scientific friends, to the electric telegraph which has recently been fitted-up in the smoking-room attached to the Hold Arms, Lister-street, Birmingham. It is, indeed, a simple, useful, and beautiful piece of mechanism, and reflects infinite credit on the patentee and inventor, Mr. Reid, of University-street, London. The object of the inventor is of a three-told character—to economise time; to save toruble; and to supersede the constant attendance of servants. The proprietors of public establishments of the same description as the Hold Arms, we imagine, will gladly avail themselves of the aid of so valuable an appendage, when its advantages and utility become more generally known. A brief outline will enable our readers perfectly to comprehend the working of it. It is composed of two instruments—the emplaced on the chimney-piece of the smoking-room; the other on the manuflepiece in the bar. They are enclosed in mahogany cases, and form-very handsome ornaments. On each instrument is a dial-plate, on which is inscribed the names of various articles that are in constant requisition. One instrument is a face-simile of the other, and both are connected with galvanic wires, and a small cell battery. The visitor, in calling for refreshment, rings the bells to attract attention; he then gives the signal on the instrument before him by moving a handle, which puts in motion a pointer or indicator, in the precise direction in which the name of the particular refreshment wanted is inscribed. This is communication is obliged to be kept up between floor and floor; the proprietors having the dials spoken of inscribed to suit their pecu

Chemical products.—Medical Gazene.

**Maprover Bell-Hanging.—A short time since, we noticed Parker's partent "annunciator," for hotels, mansions, &c., whereby only one bell is required, and the particular room is indicated by a number appearing on the face of the machine (see Mining Journal of Feb. 25). It seems to be a very fragminus and efficient arrangement. In consequence of that notice, we have received a letter from Lincoln, signed John Middleton, stating, that he has been in the habit of effecting the same thing for a long time past—and pointing to the Palatine Hotel, Manchester, where his arrangement, has been in the

and efficient arrangement. In consequence of that notice, we have received a letter from Lincoln, signed John Middleton, stating, that he has been in the habit of effecting the same thing for a long time past—and pointing to the Palatine Hotel, Manchester, where his arrangement has been in operation for two years; and the Great Northern Hotel, Lincoln, where, in a short time, may be seen 44 rooms, on two landings, all communicating with two bells. He says—"I have no intention of patenting my method, and any person is at liberty to examine it, and either carry it out in its integrity, or make such improvements, as their ingenuity may suggest."—Builder.

GORBAL'S GRAVITATION WATER-WORKS.—We understand that these works are now nearly completed. The water has now been conveyed to the pipes. On Tuesday afternoon, a jet d'eas from one of the branches was put in operation to the bank of the river, at the foot of South Portland-street. So great is the pressure obtained, that the water issuing from the jet was propelled into the air to a height of from 80 to 100 ft. perpendicularly.—North British Mail.

A RARE SHOY.—Commander Mackianon, in his Steam Warfare on the Parana, mentions the following almost incredule instance of a shot passing through both of the paddle-whoels of his vassel, without touching any part of either:—"It struck the paddle-box on the enemy's side, 5 ft. or 4 ft. above the shaft, went clean through the wheel without touching any part of it, and then passed across the deck and through the other paddle-box, not above 18 inches from the shaft, atill not touching a single lade, or any portion of the paddles. At the rate the wheels were revolving (about 17 times a minute), it appeared quite impossible to a fire a pistol-ball through without striking some part of them; and yet this 18 ib. shot had gone through without striking some part of them; and yet this 18 ib. shot had gone through without striking some part of them; and yet this 18 ib. shot had gone through to the other.—Mech. Mags

The Metallurgical Creatment of Gres.

Conflorary Copulation.—The firmage semployed in the goestion are of this reverberatory than, the common form being, so for the solid the prison surpress. The superities in the present purpose, the superities in the control of the solid the prison of the solid the prison of the solid the prison of the solid the soli

ne consequence or the large desired of the couple less friable, and loss liable to accident.

It is for this purpose also that pearlash is added, when fernash cannot be obtained. The whole is well mixed, and passed through a tolerably fine slove, then slightly moistenees, as directed in the formation of cupies by the French and German method, just described. It is then placed in an iron frame (fixed in the sole of the furnace by means of proper stays), and spread evenly to about 2 in. in flickness; it is then stamped in by means of a-wooden pestle, another layer is added, and the stamping repeated, until the fixme is filled with the composition. A hole is then scraped in the mass thus formed, and at one end is formed a channel, so that the litharge formed during the operation may run off. The fire is then lighted, and the cuple caudiously and carefully dried at a gradually increasing temperature, until it has attained a red heat.

The lead to be cupielled is now melted in an iron pot, and gradually introduced into the cupel with a ladle; this accomplished, the heat is raised, until litharge forms abundantly on the surface of the melted lead. The workman then deepens the gutter in the cupel by a bent rod, so as to favour the separation of the litharge, which is forced towards this opening by a blast, which is now let on from that part of the furnace opposite the litharge gutter. A quantity of lead, equal to that converted to litharge, is now gradually added; and when the gutter is so much deepened, that not above an inch of metal remains in the cupel, the blast is shut off, and the gutter stopped up by moistened bonesh, and another formed near the first. The cupel is then recharged, and the operation gone on with as at first, and so on, until sufficient rich lead has been produced.

This lead is removed from the cupel, and again treated in the same kind of furnace, for the purpose of obtaining its silver—the only difference being, that the cupel has a deepen hole, corresponding to the quantity of lierc, which, t

NEW PATENTS.

G. Ellins, Dreitwich, Worcestershire, salt manufacturer, for certain improvements in manufacturing salt, and in apparatus for manufacturing salt.

W. E. Newton, Chancesy-lane, Middlesex, for an improvement or improvements in tasking coupling joints for pipes, nozales, stop-cots, mili and cylinder heads, and other apparatus (being a communication).

R. Handerson, Parkhead, Lanarishire, Scotland, chemisi, for improvements in tresting lead and other ores.

J. Orsi, dulidnal-chambers, gentleman, for certain improvements in the manufacture of artificial stone commants, or namental tiles, bricks, and quarries.

DROFESSIONAL LIFE ASSURANCE COMPANY, Connecting the Clerical Logal, Military, Naval, and Medical professions,

Established upon the mixed, mutual, and proprietary principle.

Rates essentially moderate.—Every description of policy granted. Immediate, survivorship, and deforred annulties; and endownests to widowa, children, and others.—Every policy (except only in cases of personation), indisputable.—The assured permitted to go to and reside in Canada, Nova Scotia, New Brunswick, Australasia, Madeira, Cape of Good Hope, and Prince Edward's Island, without additional premium.—Medical men remunerated for their reports.—Loans granted on real or personal security.—One-tonth of the onlire profits appropriated for the relief of the assured while living, and of his widow and orphana.—Annulties granted in the swent of blindsees, insanity, paralysis, accidents, and any other bedily or mental affection, disabling the parties. Persons of every class and degree admitted to all the advantages of the corporation.—Rates for assuring £100 at the age of 25, 25, 46, and 55, respectively—namely, £114a. 6d., £2 5a. 6d., £3 4a., all., and £4 18a. 6d.

Prospectuace, with full details, may be had at the office.—Applications requested from

Prospectuses, with full details, may be had at the office.—Applications requested fro artiss desirous of becoming agents.

EDWARD BAYLIS, Actuary and Secretary.

CALEDONIAN RAILWAY COMPANY-LOANS ON DEBENTURES.—TENDERS OF LOANS ON DEBENTURE BONDS are no RECEIVED in sums of not less than £500, for any number of years not exceeding it interest to be at the rate of 5 per cent. per annum, payable half-yearly, in London, Edingin, Giasgow, or in any country bank.

Tenders to be addressed to this office, giving full name and address of lender.—Partimay also communicate with Messrs. Foster and Braithwaite, 68, Old Broad-street, London By order.

Caledonian Railway Office, Edinburgh, Feb. 25, 1848.

Caledonian Railway Office, Edinburgh, Feb. 25, 1848.

CORNWALL NEW MINING COMPANY.

Capital £100,000, divided into 20,000 shares, of £5 each.

(With power to be increased.)

To be incorporated, in pursuance of the statute of 7 and 8 Vie., cap. 118—by which the responsibility of each shareholder is limited.

Not to be Poid until the Company is completely Registered and Incorporated.

The CORNWALL NEW MINING COMPANY is ESTABLISHED to WORK a SERIES of TIN and COPFER MINES, chiefly in the district of ST. 1VES, which has hitherto afforded a larger profit on its return of oror than any other part of the county.

In pursuance of this plan, five of this description have been already selected—viz.: Georgia Tin Mines, Trewortha Tin and Copper Mine, Erry Tin and Copper Mine, viit whose owners the committee have been enabled to make such advantageous arrangements, as to enable them to work one or more with even a small portion of the proposed capital.

These mines are not only known to contain mineral ores of immense value, but the workings are already so far advanced, that the lodes ascertained and reached must produce early and large returns; and, in addition to the above, there are others which the committee have secured on sufficient public support being obtained.

With a view of inducing the public generally to avail themselves of such a beneficial employment of their capital, the committee have made the shares £3, and of which only £2 10s. is to be paid within 18 months—limiting further calls to the control of the abscribers themselves, and to be made only when a dividend shall have been declared.

Applications for shares to be made, in the usual form, at the offices of the company, 17, Essex-street, Strand; and to the following brokers and agents, of whom detailed prospectiuses may be obtained:—Messrs. G. and T. Irvine, Liverpool; Messrs. Cardwell and Sons, Manchester; Messrs. J. Scott and Son, Birmingham; Messrs. Rhodes and Hayes, Leed; Messrs. Brokers. Edward Morgan and Co., Norwich; Messrs. Robinson Crusoe and So

EAST WHEAL FRIENDSHIP MINING COMPANY ADJOINING OLD WHEAL FRIENDSHIP. TO BE WORKED ON THE "COST-BOOK" PRINCIPLE.

BROBT OF J. H. HITCHINA, ESQ., OF THE BAYON GREAT CONSOLS.

In viewing the sett generally, I have only to remark, that I consider it one possessing advantages of more than ordinary character; and, as a mining investment, as good as any can be. The lode at present in the adit end, now driving cast of the River Tavy, being the large masterly one of Wheal Friendship Mines, which has proved so prointable to the adventurers—from 4 to 5 feet wide, intermixed throughout with gossan, mundle, copper, peach, prian, and all the other characteristics comprised in the term "kindly."

Application for the remaining shares, or further particulars, apply at the office of the company, 48, Threadneedle-street; or of Mr. James Lane, 75, Old Broad-street.

Company, 48, Threadneedle-street; or of Mr. James Lane, 75, Old Broad-street.

NYDER'S PATENT LEATHER COMPANY.

(Provisionally Registered, pursuant to the Act 7 and 8 Vic., cap. 110.)

Capital £60,000, in 12,000 shares, or £5 cach.—Deposit 10s. per share.—No call to exceed 10s. per share, nor at intervals of less than three months.

CEMARMAN—JOHN GARDNEH, Eag., M.D., 51, Mortimer-street, Cavendish-square.

PROVISIONAL DIRECTORS.

G. W. BLANCH, Eag., 25, Fleet-street.

W. PEAINE, Eag., 43, Albion-place, Blackfriars-road.

H. ENGLISH, Esq., 25, Fleet-street.

W. PEAINE, Eag., 11, Green-street, Ardwick, Manchester.

JOSEPH SMITH, Esq., City-terrace, City-road.

W. SHARMAN, Esq., 17, Green-street, Ardwick, Manchester.

J. TRUSCOTT, Esq., Hommingford Vilias West, Barnsbury-park, Islington.

D. L. WILLIAMS, Eag., 6, Edwards-square, Konsington.

W. M. WILLIAMS, Esq., 6, Edwards-square, Konsington.

BANKERS—The Commercial Bank of London, Lothbury.

SOLICITOR—E. MOSS, Esq.—SRCETART—Mr. E. W. Fonton.

OFFICES-TEMPLE CHAMBERS, FLEET-STREET.

This company has been formed to carry into effect an improvement in the art of tan-

OFFICES—TEMPLE CHAMBERS, FLEET-STREET.

This company has been formed to carry into effect an improvement in the art of tanning, by which leather is rendered not only superior in quality, but is produced at a lower price, and more uniform in texture, than by any process hitherto known.

A patent having been granted to Mr. Snyder for his improvements in tanning, the rights of the patentee have been secured, on advantageous terms, as also his services in carrying out the operations of the company.

From estimates which have been carefully gone into, and which can be inspected on application at the offices of the company, a large return on the capital employed will be obtained, even to the extent of 100 per cent. per annum.

This estimate may appear to show profits so far beyond the ordinary result of trade as to call for explanation. Snyder's patent effects a saving of—1. Half the time in tanning;
2. 12 or 15 per cent. of skin or hide—i.e., the leather produced weighs so much more;
3. A saving of 10 per cent. of tan; and 4. The production of a superior article. In this respect Snyder's Leather will complete with the best French Leather.

Prospectnuses, with every information, will be afforded on application fo E. Moss, Esq., solicitor, 4, Queen-street, Cheapside; or to the secretary, at the offices of the company, to whom applications for shares are to be addressed.

The directors beg to claim the attention of the public to their arrangements, which, they trust, will be found to secure the interest of subscribers, without incurring any of those erils not unfrequently attendant upon such enterprises.

NATIONAL DISINFECTED AND DRY MANURE

NATIONAL DISINFECTED AND DRY MANURE

COMPANY.

Capital £200,000, in 20,000 shares, of £10 each.—Deposit is, per share.

No call well exceed 5s. per share, and the liability of shareholders will be limited to the amount of their respective shares.

PATRONS—(LOCAL).

GEORGE FREDERICK MUNTZ, Esq., M.P., Birmingham.

WILLIAM SCHOLEFIELD, Esq., M.P., Birmingham.

BELL FLETCHEI, M.D., J. Members of the J. J. Ames RUSSELL, M.D., L. Sanitary Board, "Bell Fletcher, M.D., Charles, Birmingham.

GEORGE EDMONDS, Esq., Clerk of the Peace, "Provisional Company is to collect the animal and vegetable refuse of large and populous towns, and subsequently to convert them into a dry, inodorous, and portable manure. By the company is to collect the animal and vegetable refuse of large and populous towns, and subsequently to convert them into a dry, inodorous, and portable manure. By the company is process all decomposed substances, whether animal or vegetable, liquid or otherwise, may be rapidly converted into a scentless manure—rich in overy fertilising quality, and abounding in vegetable stimulant.

A manure, somewhat similar, has for some time been manufactured by a prosperous company in Paris, under the commercial firm of "Baronnet and Co." The last report states, that "crops were obtained incomparably finer, and more abundant, than by the use of any other manure."

The cost of preparation is trivial, in comparison with any of the present methods of dressing. The committee, therefore, have no hesitation in affirming, that the profits will realise the most sanguine expectations of shareholders.

The operations of the company will commerce in the town of Birmingham.—Samples of the manure may be seen at the offices.

JAMES H. KENWORTHY. Son

ence in the town of Birmingham. - Sample JAMES H. KENWORTHY, Sec.

of the manure may be seen at the offices. NATIONAL DISINFECTED AND DRY MANURE COMPANY—Notice is hereby given, that the ALLOTMENT of SHARES in this COMPANY having been made, the LETTERS will be POSTED this day.

March 25, 1848.

JAMES H. KENWORTHY, Secretary

LONDON AND PROVINCIAL DETECTIVE ASSOCIA-

TION, FOR THE PROTECTION OF TRADE.

No. 39, SOUTHAMPTON-BUILDINGS, HOLBORN, LONDON.

OFFICE HOURS: TEN TO FOUR.

The object of this institution is to furnish every information (which may be obtained by subscribers only) respecting all parties, is any capacity whatever, avoiding their creditors, under any circumstances; also, in providing every species of information calculated to protect Bankers, Morchants, Tradesmen, Companies, institutions, Assurance Offices, Loan Societies, Auctioneers, Landlords, Tenants, &c., in such a manner hitherto unattempted by any kindred society.

Loan Societies, Auctioneers, Landlords, Tenants, See, in such a manner hitherto unattempted by any kindred society.

Subscribers may be preserved from losses through fraud of all kinds, by previous application at this office. They are also requested to make every communication in their power that may tend to protect the mambers, which will be considered strictly private, and, at the same time, deemed a favour.

Persons wishing to become members of this association, must apply, by letter only, addressed (pre-paid) to the secretary, who will forward the rules.

Subscribers only are eligible to apply for any information—the terms of which are all is, per samum—10s. 6d. in advance.

H. E. NEWMAN, Secretary.

DATENT GALVANISED IRON and WIRE ROPE WORKS,

ANDREW SMITH begs to inform the Mining, Railway, and Shipping interests, that he
has obtained a PATENT for an IMPROVED METHOD of GALVANISING IRON, put
ducing a much superior article at a considerable saving in cost—the improved process for
galvanising wire rope, adding only £10 per ton instead of £20, under the ordinary processes. The rope is extensively used in damp situations, for mining and railway purposes, and for ships standing rigging.

PLEXIBLE HOSE-PIPES FOR LOCOMUTTY E ENGINEER RAILWAY CRANES, FIRE-ENGINES, GAS, &c.

PATENT VULCANISED INDIA-RUBBER HOSE-PIPES AND TUBING 60
OF EVERTY DESCRIPTION.

These pipes are made to stand hot-water without injury—are very superior to leather igns, or the common india-rubber pipes; and, as they do not become hard or stiff in the owest temperatures, or require any application when out of use, are particularly well dashed for fire-engines.

FLEXIBLE TUBING, of every description, for gas, chemical purposes, &c.

YULCANISED INDIA-RUBBER WASHERS, all sizes, for steam and hot-water joints.

Lesson manufacturer.

JAMES LYNE HANGOCK,

MPORTANT TO RAILWAY AND STEAM NAVIGATION
COMPANIES, MANUFACTURERS, AND ENGINEERS.

W. BROTHERTON AND CO.'S

PATENT LUBBICATING FLUID (or Animal Oil) FOR ALL DESCRIPTIONS

W. B. & CO. have the pleasure to state, that the above article is extensively used in her Majesty's Steam Navy, and by several of the principal Steam Navigation and Railway Companies, and is pronounced by them, and by the first practical engineers of the day, to be far better adapted for the purposes of indication than any other article in the rock of the companies, and is pronounced by them, and by the first practical engineers of the day, to be far better adapted for the purposes of indication than any other article in the rock and fine pieces of machinery, as for the heaviest bearings of the steam-engine. It is cheaper, much more seconomical, and cleamer than oils at present in use; is free tross smell, and calculated to offect a wast saving in the expenditure of working steam powers Further particulars can be had, and testimonials seen, by application to the manufacturers,

W. BROTHERTON & CO., Hungerford Wharf, Strand, London.

N.B.—The above agicle will burn in lamps, and give a light equal to the best sperm oil.

TO ENGINEERS AND BOILER-MAKERS.

TO ENGINEERS AND BOILER-MAKERS.

LAP-WELDED IRON TUBES, FOR MARINE AND LOCOMOTIVE STEAM-BOILERS,
TUBES FOR STEAM, GAS, AND OTHER PURPOSES,
ALL SORTS O'S GAS FITTINGS.

THE BIRMINGHAM PATENT IRON TUBE COMPANY,
42, CAMBRIDGE-STREET, BIRMINGHAM, & SMETHWICK, STAFFORDSHIRE,
MANUFACTURE BOILER and GAS TUBES, under an exclusive License from Mr. R.
Prosser, the patentee. These tubes are very extensively used in the boilers of marine and locomotive steam-engines in England and on the Continent—are stronger, ligher, cheaper, and more durable than brass or copper tubes, and are warranted not to open in the weld.

42, CAMBRIDGE-STREET, CRESCENT, BIRMINGHAM.

WORKS—SMETHWICK, STAFFORDSHIRE,
LONDON WAREHOUSE—NO. 68, UPPER THAMES-STREET.

TO ENGINEERS, RAILWAY AND STEAM-BOAT COMPANIES, AND THE OWNERS OF STEAM-ENGINES IN GENERAL.

AND THE OWNERS OF STEAM-ENGINES IN GENERAL.

W. & C. MATHER beg to call the attention of the above parties to their
PATENT ELASTIC METALLIC PISTON.

From the great satisfaction it has already given, they can, with confidence, recommend it. The following are some of its excellent properties:—

1. The great, equable, and mild elasticity: its being perfectly cylindrical and self-adjusting—thereby enabling it to yield, with the least possible friction, to any inaccuracies of the cylinder, whether oval or taper.

2. Its extreme simplicity and lightness—the packing consisting of OMLY TWO PIECES OF METAL, having vertical and horizontal elasticity in due and proper proportion, independent of each other—the horizontal elasticity being also independent of screwise Down THE JUNK RING OR COVER.

3. It takes the least possible space; and is, therefore, well adapted for air and water pumps.

Damps.

The above patent was unsuccessfully opposed by Mr. Goodfellow, the patentee of a pison, having three angular rings, of a bevil form.

The Solicitor-General conceived that there was not the slightest similarity between hem, as may be seen from the subjoined letter from Mr. Carpnael, through whom the patent was taken.

W. and C. M. can refer to upwards of 190, made since the date of the patent (April, 1846), each of which is giving entire satisfaction. They beg to call attention to the fact, that, in a number of cases, they have replaced those made of three annular rings of the ceil form, a description of which appeared in the Mining Journal of Saturday, October 2, 847.

1847.

Dear Sirs,—Mr. Solicitor-General took the hearing in your patent vesterday, at the Privy Council, and decided that the invantion did not interfere; we are, therefore preceding with the patent.

We are, your obedient servants,

We are, your obedient servants,

POOLE & CARPMAEL.

The oblect of publishing the above letter, is to convince parties wishing to use W. and

ceeding with the parents.

Measrs. Mather.

The object of publishing the above letter, is to convince parties wishing to use to. Mather's piston, that they have nothing to fear from the caution which accome the advertisement referred to, or the unfounded reports which are industriously lated from the same quarter.

Locomotive and other pistons guaranteed for twelve months, Salford Iron Works, Mauchester, Sept., 1847.

TMPROVED LIFTING IMPROVED RATCHET MANUFACTURED BY W. AND J. GALLOWAY, PATENT RIVET WORKS, MANCHESTER.

* The attention of parties who employ Lifting Jacks,

riority of those annexed, over those hitherto in use.

THE PATENT OFFICE AND DESIGNS REGISTRY,

No. 210, STRAND, LORDON.

INVENTORS will receive (gratis), on application, the OFFICIAL CIRCULAR OF
INFORMATION, detailing the eligible course for PROTECTION of INVENTIONS and
DESIGNS, with Reduced Scale of Fees.

Messrs. F. W. CAMPIN and CD. offer their services, and the benefit of many years
oxperience, in SECURING PATENTS and REGISTRATIONS OF DESIGNS, with due
regard to VALDUTY, economy, and dispatic—assisted by scientific men of repute.
Also, in MECHANICAL and ENGINEERING DRAWINGS, whether connected with
Patents, Railways, or otherwise, by a staff of first-rate draftsmen.
Application personally, or by letter, to F. W. Campin and Co., No. 210, Strand (cor
ner of Essex-street).

PATENT IMPROVEMENTS IN CHRONOMETERS,
WATCHES, AND CLOCKS.—E. J. DENT, \$2, Strand, and 33, Cockspur-street,
watch and clock maker, BY APPOINTMENT, to the Queen and his Royal Highness
Prince Albert, begs to acquaint the public, that the manufacture of his chronometera,
watches, and clocks, is secured by three separate patents, respectively granbed in 1836,
1840, 1842, Silver lever watches, jewelled in four holes, 6g. sach; in gold cases, troy
88 to £10 extra. Gold horizontal wa ches, with gold disk, from 8 gs. to 12 gs. each. Of
DENT'S PATENT DIPLIEDOSCOPE, or merdiad instrument, is now ready for deliveryPamphlets containing a description and directions for its use 1s. each, but to enstowers gratis-

NATIONAL LOAN FUND LIFE ASSURANCE SOCIETY, 26, CORNHILL, LONDON.

Capital £500,000,—Empowered by Act of Parliament.

This institution embraces important and substantial advantages with respect to Life Assurances and Deferred Annulties. The assured has, on all occasions, the power to borrow, without expense or forfeiture of the policy, two-thirds of the premiums paid (see lable); also the option of selecting benefits, and the conversion of his interests to meet other conveniences or necessity. her conveniences or necessity.

Assurances for terms of years are granted on the lowest possible rates.

DIVISION OF PROFITS.

The remarkable success and increasing prosperity of the society has enabled the division of the society

dos.	Sum.	Prem.	Year.	Bonus added.	Bonus in Cash.	Permanent reduction of Premium.	Assured may Borrow.
60	£1000	€0 34	1838	165 11 10 116 7 6	£109 0 11 87 1 4 74 1 9 54 0 10 49 10 0	£16 0 4 13 10 2 11 3 1 7 18 10 7 10 4	£445 0 0 395 11 1 346 2 3 296 13 4 247 4 5

The division of profits is annual, and the next will be made in December of the preserver.

F. FERGUSON CAMROUX, Secretary.

London:—Printed and Published, weekly, by Hewry English, at the Office, No. 26, FLEET-STREET, in the city of London, where all Communications and Advertisements are requested to be forwarded—addressed to "the Editor"—post-paid.

March 25, 1848.

. It will at all times save much delay and inconvenience, if communications are directed simply - TO THE EDITOR.

Mining Journal Office,

And POST-OFFICE ORDERS, &c., must be made payable to WILLIAM SALMON MANNELL,
as acting for the proprietors.